MY18 CG Captiva

Owner's Manual

Holden

GM Holden Ltd, ABN 84 006 893 232, Holden New Zealand Ltd., Company Number 1602 (hereinafter Holden)

Change of name, address or ownership

If you drive a pre-owned Holden, have moved house or changed any of your details, we'd like to hear from you!

Holden uses your details to keep your vehicle's factory provided Roadside Assistance and Warranty details up to date.

It also helps us let you know if there is an existing safety recall or rework on your vehicle. To update your details, please take a few minutes to fill in and mail the form at the back of the Service & Warranty Booklet or visit Holden's website at: www.holden.com.au/forms/change-of-owner-details

GM Holden Ltd (Holden) is collecting the new owner's personal information in order to process the request for transfer for the specified vehicle. We may disclose your personal information to our related companies and third parties who provide us with (or help us provide) products and services, including to overseas locations such as the USA, and other countries in Europe, Oceania and Asia.
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You can contact Holden on 1800 033 349 or alternatively, you may prefer to email Holden at: holdencustomercare@gm.com

Note: Please refer to the inside front cover of the Service & Warranty Booklet for the Vehicle Identification Certificate.

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Introduction

We thank you for choosing Holden and want to assure you of our continuing interest in your driving pleasure and satisfaction.
This owner's manual applies to the current Captiva vehicle. Therefore, due to different models and options, you may find reference in this manual to some equipment not fitted to your own vehicle.
Please note that all information, illustrations and specifications in this manual are based on the latest production information available at the time of printing. Holden reserves the right to make changes at any time without notice and without incurring any obligation.

Introduction

Your vehicle is a designed combination of advanced technology, safety, environmental friendliness and economy.

This Owner's Manual provides you with all the necessary information to enable you to drive your vehicle safely and efficiently.

Make sure your passengers are aware of the possible risk of accident and injury which may result from improper use of the vehicle.

Using this manual

- This manual describes all options and features available for this model. **Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, special equipment or accessories**.
- The 'In brief' section will give you an initial overview.
- The table of contents at the beginning of this manual and within each chapter shows where the information is located.
- The index will enable you to search for specific information.
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- For a complete list of the registered trademarks contained in this manual: *Trademarks and licence agreements* ⇨ *239.*

Symbols

Page references indicated with ⇨ This indicates 'see page'.

Danger, warnings and cautions

⚠Danger

Text marked ⚠ **Danger** provides information on risk of fatal injury. Disregarding this information may endanger life.

⚠Warning

Text marked ⚠ **Warning** provides information on risk of accident or injury. Disregarding this information may lead to injury.

Caution

Text marked **Caution** provides information on possible damage to the vehicle. Disregarding this information may lead to vehicle damage.

In brief

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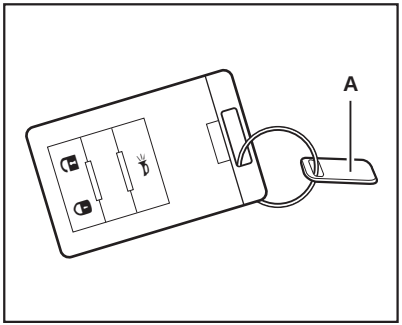
Initial drive information

Remote keyless entry



The keyless access transmitter operates all door locks:

: Lock

: Unlock

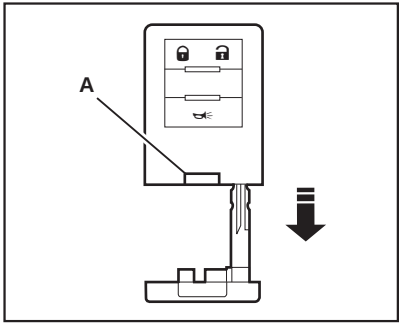
: Vehicle locate button

The code number for the keys is stamped on the key plate (A).

Keys and locks ⇨ *16*

Doors ⇨ *19*

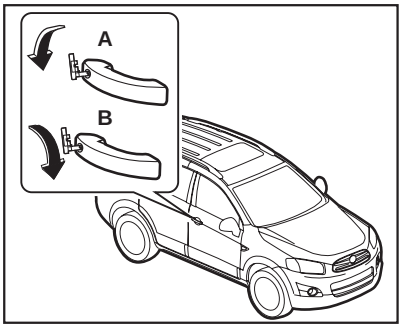
Manual door locks



To remove the key for manual door operation:

1. Press (A).
2. Remove the key from the transmitter.

Note
Do not remove the key without pressing the button.



- To lock all doors, insert the key into the driver's door lock and turn anticlockwise (A), then turn back to the vertical position and remove.
- To unlock all doors, insert the key into the driver's door lock and turn clockwise (B), then turn back to the vertical position and repeat, then remove.

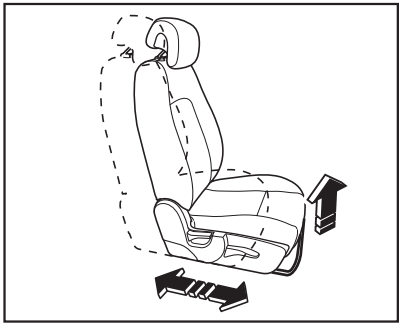
Keys and locks ⇨ 16

Doors ⇨ 19

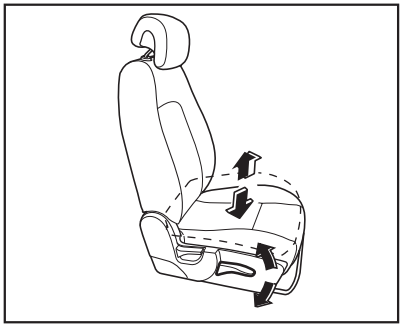
Seat adjustment

The vehicle may have the following levers and switches for seat adjustment.

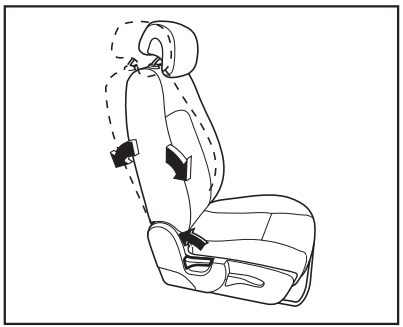
Forwards/backwards (Type A)



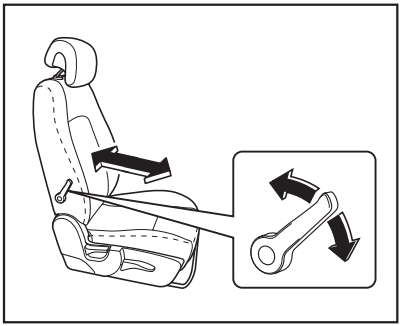
Up/down (Type A)



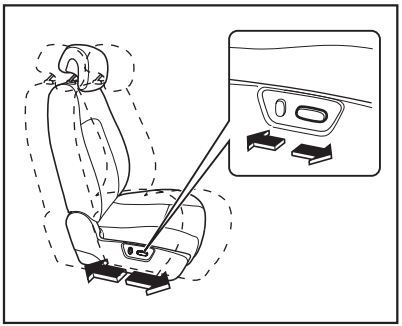
Recline (Type A)



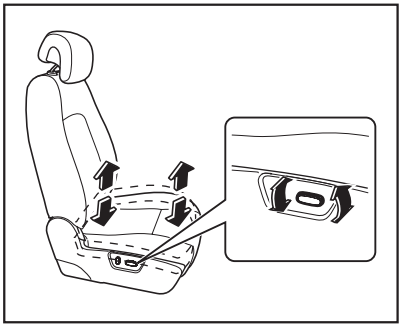
Lumbar



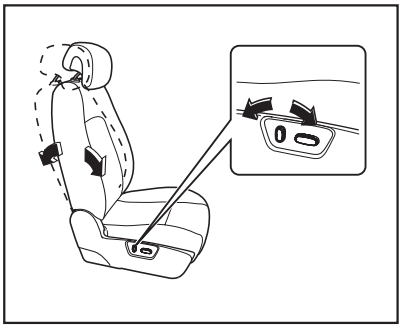
Forwards/backwards (Type B)



Up/down (Type B)



Recline (Type B)



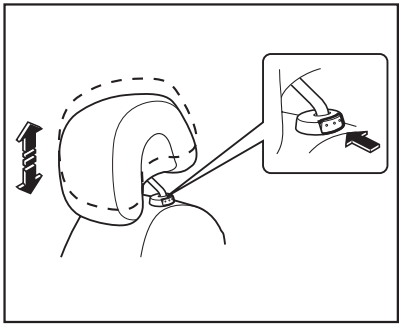
Front seats ⇨ 31

Head restraints

⚠Warning

The head restraint safety feature is not intended to rest the head upon. It is solely for the reduction of whiplash neck movement in an accident involving the vehicle.

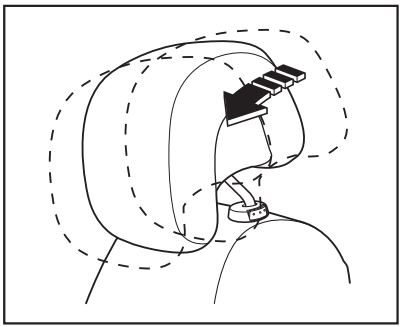
The centre of the head restraint should be at eye level, never at neck level.



To adjust the height:

1. Push the button in.

2. Pull the head restraint up or push the head restraint down.



To tilt the front head restraints:

1. Place the head restraint in its rearmost position by pushing it forward fully and releasing it.
2. Push the head restraint forward carefully to the required position.

Head restraints ⇨ 30

Seat belts

The belt should not be twisted. It should lie flat and fit firmly across your hips.

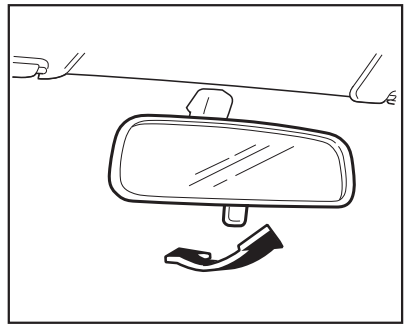
1. Pull the metal tongue across your body.
2. Clip it into the buckle.

   When the metal tongue is locked safely into place you will hear a click.

Three point belt ⇨ 38

Mirror adjustment

Rear view mirror



Adjust the rear view mirror by moving right or left, up or down.

To reduce headlamp glare at night from following vehicles, pull the lever towards the rear of the vehicle.

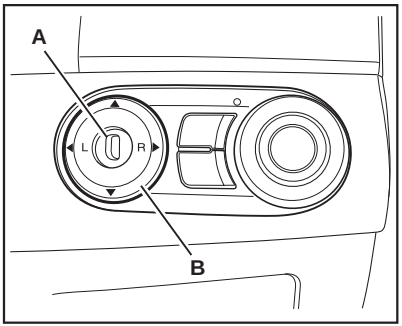
For daylight operation, push the lever towards the front of the vehicle.

Interior mirrors ⇨ 25

Automatic dimming rear view mirror ⇨ 25

Exterior mirrors

Power mirrors



To adjust the mirrors, turn the ignition control knob to the on or accessories position:

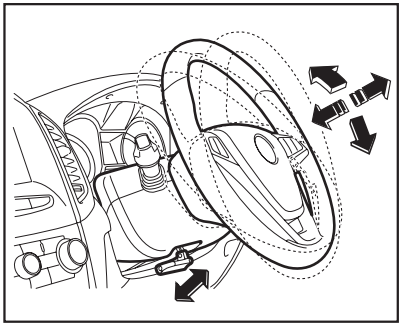
- Move switch (A) to the right to operate the driver side mirror.
- Move switch (A) to the left to operate the passenger side mirror.
- Press the arrows on the switch (B) to adjust the mirror in the direction the arrow is pointing.

Exterior mirrors ⇨ 24

Steering wheel adjustment

⚠Warning

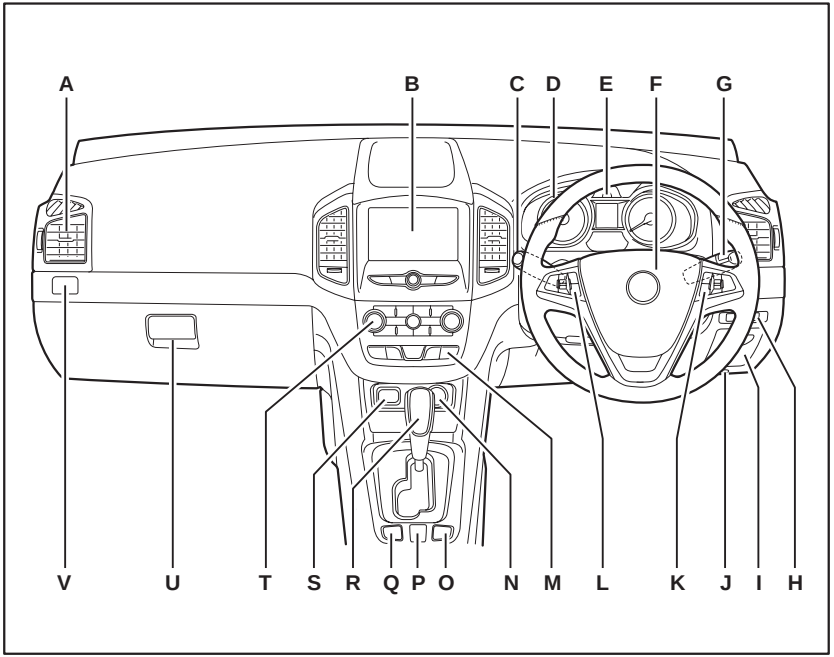
Do not attempt to adjust the steering wheel while driving.



1. To unlock, move the lever down.
2. To adjust, move the steering wheel up, down, in or out.
3. To lock, move the lever up. Ensure the steering wheel is locked in position before driving.

Controls ⇨ 56

Instrument panel overview



A. Side vent outlet 130
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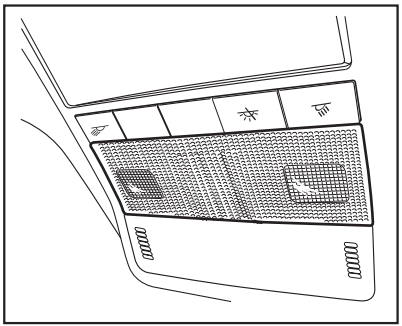
Interior lighting



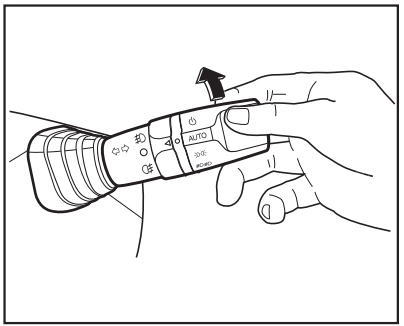
: On/off.

: Dome lamps.

Interior lighting ⇨ 86

Dome lamps ⇨ 87

Exterior lighting



: All lamps are off.

The switch will return to the **AUTO** position once released.

To turn the automatic lamp control on, turn to again.

AUTO: Parking lamps and headlamps will turn on automatically depending on the outside light.

: Parking lamps (DRL and tail lamps), number plate lamps and instrument panel lights illuminate.

The headlamps will not come on.

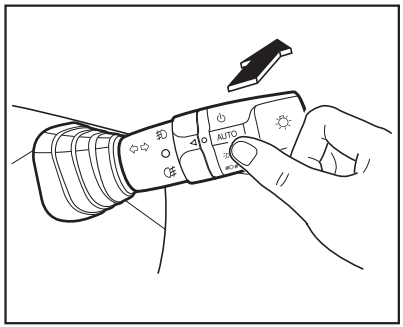
: Parking lamps, number plate lamps, instrument panel lights and headlamps illuminate.

: Front fog lamps.

Rear fog lamps.

Exterior lighting ⇨ *82*

High/low beam



High beam: Push lever.

Low beam: Pull lever from high beam position.

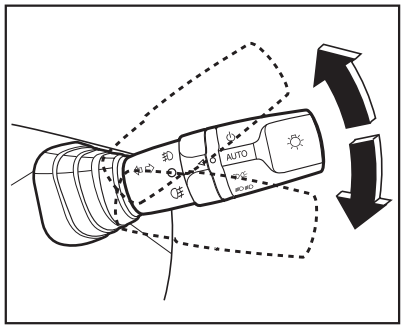
Headlamp flash: Pull lever.

The high beam lamps can be flashed even if the headlamps and/or ignition are off.

Exterior lighting ⇨ *82*

High/low beam ⇨ *83*

Turn signals

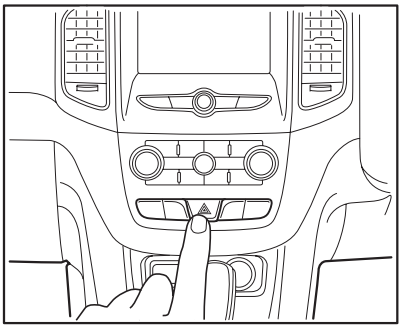


Left: Lever up.

Right: Lever down.

Turn signals ⇨ *84*

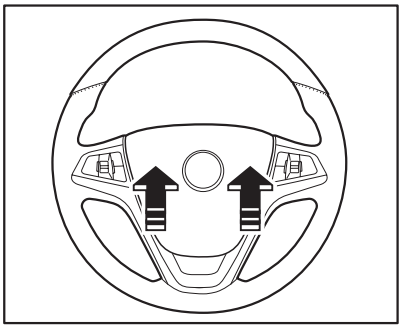
Hazard warning flasher



Press ⚠ to turn the hazard warning flasher on and off when the ignition is in any position.

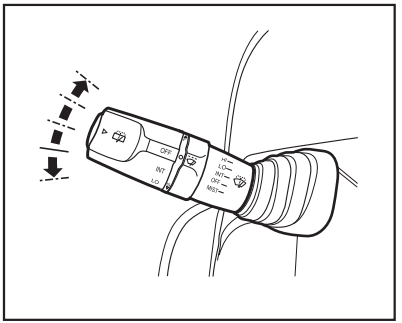
Hazard warning flasher ⇨ 83

Horn



Press the horn pad on either side.

Washer and wiper systems



MIST: Wipers cycle while the lever is held down.

OFF: Wipers off.

INT: Move the lever up one level. Rotate the collar to adjust the frequency.

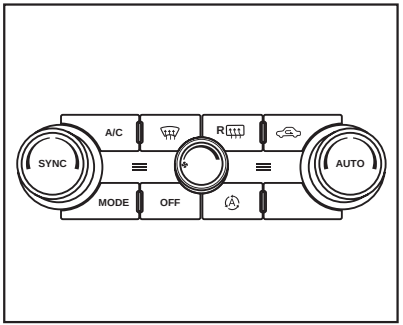
LO: Move the lever up two levels.

HI: Move the lever up three levels.

Pull to wash the windscreen.

Windscreen wipers / washers ⇨ 57

Climate control



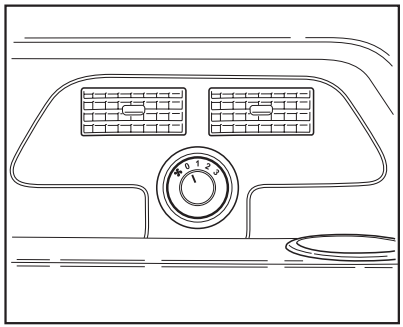
The climate control panel is located in the centre of the instrument panel.

The climate control settings are displayed on the information display when the climate control system is activated using the buttons or knobs.

Climate control ⇨ 125

Rear air conditioning system

Press **REAR A/C** on the centre of the instrument panel to turn the rear air conditioning system on.

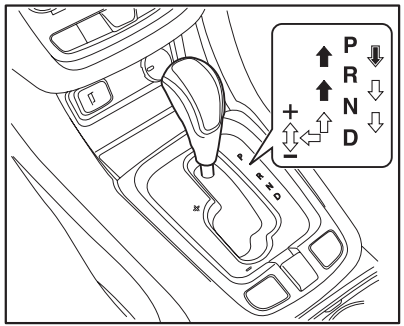


Set the fan speed to the desired speed with the rear fan speed switch.

Rear air conditioning system ⇨ 129

Transmission

Automatic transmission



P: Park. **R**: Reverse.

N: Neutral. **D**: Drive.

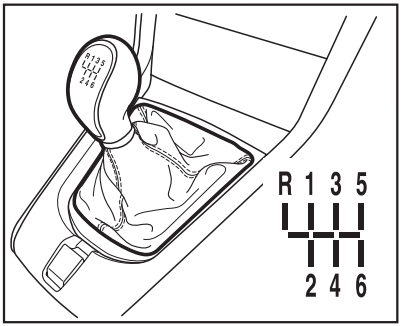
➡ Apply the brake pedal and press the select button on the shift lever to shift.

➡ Press the select button on the shift lever to shift.

⇨ It is not necessary to apply the brake pedal or press the select button on the shift lever to shift.

Automatic transmission ⇨ 141

Manual transmission



The manual transmission has six forward gears and a reverse gear.

The shift pattern is found on the top of the shift lever.

Pull the button on the front of the shift lever up to select reverse gear.

Manual transmission ⇨ 144

Starting off

Check before starting

- Check the windows, mirrors and lamps are clean.
- Visually check tyre inflation. Check the tyre pressures each week.
- Ensure that all doors are closed and secured.
- Position your seat for comfortable driving.
- Adjust rear view mirrors.
- Fasten seat belts.
- Check the warning indicators illuminate when turning the ignition on.

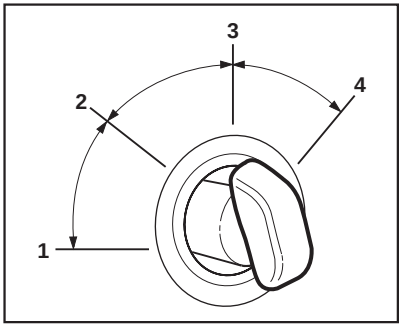
Starting and operating ⇨ 134

Starting the engine ⇨ 138

Starting the engine

⚠Warning

Do not switch the engine off while the vehicle is moving as there will not be any power assist for brakes or steering.



- The keyless access transmitter must be inside the vehicle.

- The shift lever must be in P (Park) or N (Neutral). The engine will not start in any other position.
- The brake pedal must be depressed to start the engine.

1: (Lock/off).

2: (Accessories) When the ignition control knob is in the accessories position, the audio system will operate.

3: (On) When the ignition control knob is in the on position, the engine is ready to start and all electrical systems are active.

Note
Do not leave the ignition control knob in the on position for a prolonged period, unless the engine is running, otherwise the vehicle battery will discharge.

4: (Start) Petrol engine: Turn the ignition control knob to the start position momentarily and then release.

The engine starts automatically.

Diesel engine: Turn the ignition control knob to the on position for preheating until the ⟳ light extinguishes. Turn the ignition control knob to the start position.

The ignition control knob automatically returns to the on position when released.

Note

- If the engine control knob does not turn, push the knob in and turn.
- If the transmitter is not in the vehicle or there is interference, Electronic Key Not Detected is displayed.

Vehicle messages ⇨ *80*

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Parking

1. Apply the park brake.

   Before leaving the vehicle, ensure Ⓟ is illuminated on the instrument panel.

   Electric Park Brake (EPB) ⇨ *147*
2. Automatic transmission: Move the shift lever to position **P**.

   Manual Transmission: Place in reverse or first gear.

   On an uphill slope, turn the front wheels away from the kerb.

   On a downhill slope, turn the front wheels towards the kerb.
3. Shut all windows.
4. Switch off all exterior lamps.
5. Turn the ignition control knob to the off position.
6. Lock all doors.

Keys, doors and windows

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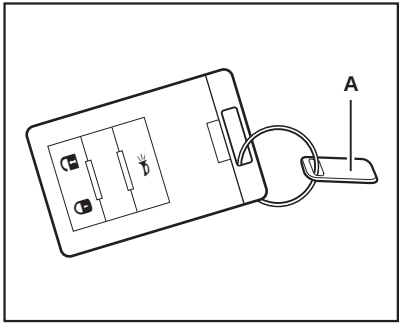
Keys and locks

Keys



The keyless access transmitter operates all door locks:

: Lock.

: Unlock.

: Vehicle locate button

The code number for the keys is stamped on the key plate (A).

Record the number, remove the key plate and keep the number and the key plate in a safe place (not in the vehicle).

If the original keyless access transmitters are lost, any additional or replacement transmitters must be purchased from and programmed by a Holden Dealer, using the key code number.

Vehicle locate button

To locate the vehicle, press briefly.

- The exterior lamps will flash and the horn will chirp several times.

Matching transmitter(s) to the vehicle

Each remote keyless access transmitter is coded to the vehicle.

If the vehicle's transmitter is lost, inform a Holden Dealer immediately so the vehicle can be reprogrammed and will no longer recognise the missing transmitter.

Additional transmitters also require re-coding to match the new transmitter.

⚠Warning

The remote keyless access transmitter contains precision electronic parts.

To help avoid transmitter trouble:

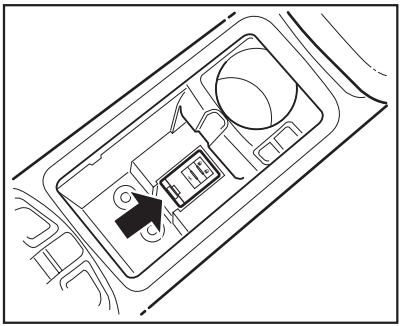
- Do not leave the transmitter in direct sunlight.
- Do not treat the transmitter carelessly.
- Do not allow the transmitter to get wet.

Starting the vehicle with a low transmitter battery

If the transmitter battery is weak, the Driver Information Centre (DIC) may display Electronic Key Not Detected, when trying to start the vehicle.

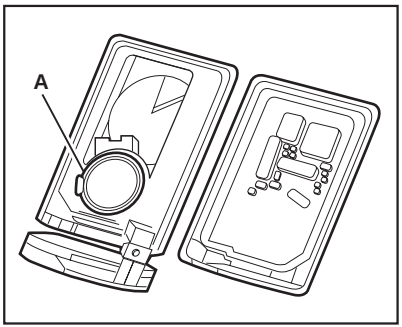
To start the vehicle:

1. Open the storage bin.
   Cup holders ⇨ 51
2. Lift the mat on the base of the centre console bin.



3. Place the transmitter on the base of the centre console bin in the position shown, with the buttons facing up.
4. Place the shift lever in P (Park) or N (Neutral).
5. Press the brake pedal and rotate the ignition control knob.
6. Replace the transmitter battery as soon as possible.

Replacing the transmitter battery



As soon as the range of the remote keyless access transmitter reduces, replace the battery:

1. Remove the key from the transmitter.

   Manual door locks ⇨ 20
2. Separate the transmitter by placing a flat, thin object into the slot on the side of the transmitter.
3. Remove the battery (A) and replace with the new one, making sure the positive (+) side of the battery is facing down. Replace with a CR2032 or equivalent battery.
4. Reassemble the transmitter ensuring the cover is engaged correctly.
5. Insert the key back into the transmitter.
6. Test the operation of the transmitter.

Note
Avoid touching the flat surfaces of the battery, the circuit board and other components inside the transmitter with bare fingers. Handling will shorten battery life.

About the keys

- Ensure that other keys on the key ring are not between the transmitter and the vehicle.
- The transmitter has a range of approximately 30 metres.
- The range depends on the charge of the transmitter battery, on ambient conditions, the transmitter's location and the area between the transmitter and the vehicle.
- If the transmitter buttons do not work, move closer to the vehicle.
- Take care that no button is pressed unintentionally, especially when the vehicle is out of sight.
- Metallic window tint reduces the range of the transmitter.
- The transmitter buttons may not work if the vehicle is parked near strong radio activity, such as under TV towers (most likely in high lookout car parks).
- At times, a decrease in range may occur, which is normal.
- If the transmitter does not work:

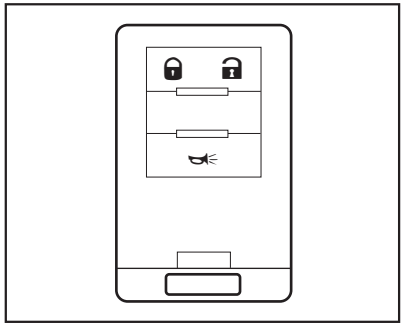
  You may need to stand closer during rainy or snowy weather.

  Other vehicles or objects may be blocking the signal.

  If you continue to have trouble, contact a Holden Dealer.
- If pressing the transmitter buttons does not work, the doors can be locked and unlocked by turning the key in the driver's door lock.
- If the vehicle is delivered with only one transmitter, contact your Holden Dealer as soon as possible.
- Always store spare transmitters in a safe, dry place.
- Protect the transmitter against moisture.
- Do not operate the transmitter unnecessarily.

Doors

Locking and unlocking

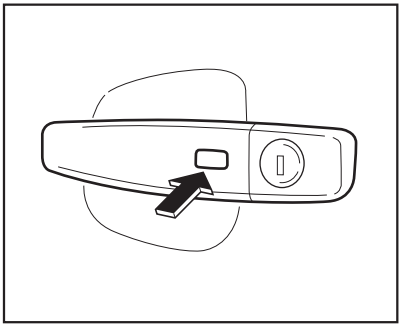


Press once to:
- Lock all doors.
- Lock the fuel filler door.
- Flash the hazard lamps once.

Press once to:
- Unlock all doors.
- Unlock the fuel filler door.
- Flash the hazard lamps twice.

Note
If no door is opened within 30 seconds, all doors will automatically relock.

Keyless unlocking



With the keyless access transmitter within 1m, press the button on the door handle to unlock the doors.

- When the doors are unlocked, the fuel door and tailgate are also unlocked.

Note
The button on the door is for keyless unlocking. Ensure all doors are locked when leaving the vehicle.

Keyless locking

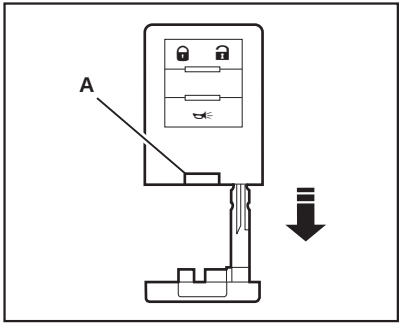
The doors automatically lock after several seconds if the ignition is off, all doors are closed and at least one keyless access transmitter has been removed from the vehicle.

- To customise features, see *Keyless locking change* ⇨ *79*
- When the doors are locked, the fuel door and tailgate are also locked.

Caution

It is recommended the transmitter is kept on your person at all times. Shielding of the transmitter or environmental electromagnetic radiation can interfere with the keyless locking function.

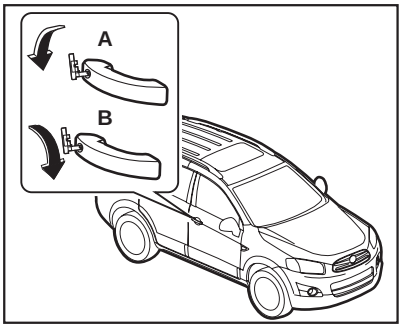
Manual door locks



To remove the key for manual door operation:

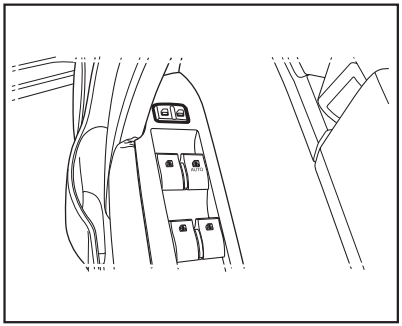
1. Press (A).
2. Remove the key from the transmitter.

Note
Do not remove the key without pressing the button.



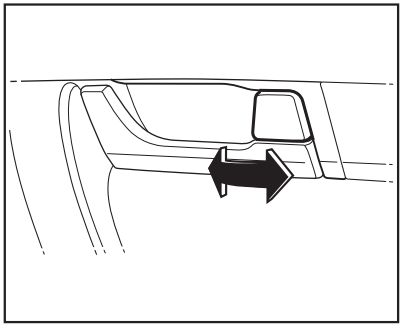
- To lock all doors, insert the key into the driver's door lock and turn anticlockwise (A), then turn back to the vertical position and remove.
- To unlock all doors, insert the key into the driver's door lock and turn clockwise (B), then turn back to the vertical position and remove.

Locking/unlocking from inside



- The door lock switch is located in the driver's door armrest.
- To lock the doors, press the door lock switch on the left side.
- To unlock the doors, press the door lock switch on the right side.

Door lock snibs

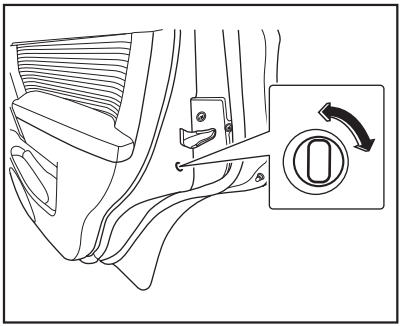


- To lock any door from the inside, pull the door lock snib so it is flush with the door handle.
- To unlock any door from the inside, push the door lock snib so the snib is showing red.
- The driver's door lock snib does not operate when the door is open.

⚠Warning

Before driving, close and lock all doors, especially when young children are in the vehicle.

Child safety rear door locks



Child safety locking helps prevent rear doors being accidentally opened by small children in the vehicle.

The locks are accessible when the door is open.

To prevent the doors from being opened from the inside, use the transmitter key to turn the switch away from the vertical position.

⚠Warning

For safety, always check the lock is operating correctly (after setting) by trying to open the door from inside the vehicle.

Tailgate

⚠Danger

It can be very dangerous to drive with the tailgate open. Carbon monoxide (CO) gas can enter into the vehicle. You can not see or smell CO. It can cause unconsciousness and even death.

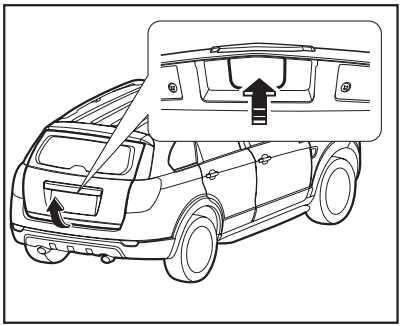
If you must drive with the tailgate open, make sure all other windows are closed and switch the fan on to the highest speed using any setting that brings in outside air. Doing this will force outside air into the vehicle.

To lock:

- Close the tailgate by pushing down until it latches securely.
- Press to lock all the doors and the tailgate.

To unlock:

- Press to unlock all the doors and the tailgate.



To open:

- Push the button above the number plate and lift the tailgate.

Note
illuminates on the instrument cluster when the tailgate is open or unlatched.

Vehicle security

Immobiliser

This vehicle is fitted with an immobiliser. It prevents unauthorised engine starting.

- The vehicle is automatically immobilised when the ignition control knob is turned to the lock/ off position.
- The immobilisation system is disarmed when the ignition control knob is turned to the on position and a valid transmitter is detected in the vehicle.
- When the ignition is turned on, displays briefly.
- If the engine does not start and stays on, there is a problem with the system. Turn the ignition control knob off and try again or try another keyless access transmitter.
- If there is a problem with arming or disarming the theft-deterrent system, is displayed in the instrument cluster.
- If the keyless access transmitter is damaged, the vehicle may not start.
- If the ignition control knob does not rotate and the keyless access transmitter appears to be undamaged, try again.
- If the ignition control knob does rotate, the transmitter may be faulty. Place the transmitter in the transmitter pocket.

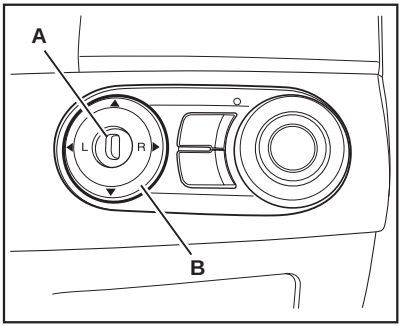
  Starting the vehicle with a low transmitter battery ⇨ 17

  If the ignition control knob still does not rotate or does not rotate when using another transmitter, contact a Holden Dealer.

Caution
Do not leave the keyless access transmitter in the vehicle.

Exterior mirrors

Power mirrors



The switches for the exterior rear view mirrors are located on the driver side of the instrument panel below the side vent.

To adjust the mirrors, turn the ignition control knob to the on or accessories position:

- Move switch (A) to the right to operate the driver side mirror.
- Move switch (A) to the left to operate the passenger side mirror.
- Press the arrows on the switch (B) to adjust the mirror in the direction the arrow is pointing.
- Move switch (A) back to its centre position to deactivate switch (B).

Caution
Do not adjust the mirrors while driving. Moving the mirrors forcibly by hand can damage the electric mirror drive system.

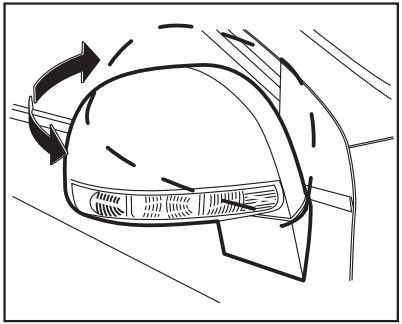
Heated mirrors

The vehicle has heated rear view mirrors.

The heating is switched on automatically when the rear window demister is switched on.

Rear window demister ⇨ 128

Folding mirrors



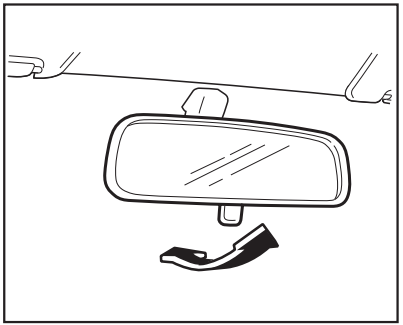
When the vehicle is parked, the mirrors may be manually folded flat against the side of the vehicle.

Note
The vehicle may have exterior mirror lamps. They can only be changed by a Holden Dealer.

Caution
The folding mirrors are a convex shape to provide a wider view. Objects seen in these mirrors are closer than they appear.

Interior mirrors

Rear view mirror

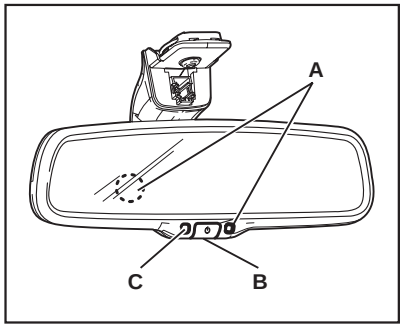


Adjust the rear view mirror by moving right or left, up or down.

To reduce headlamp glare at night from following vehicles, pull the lever towards the rear of the vehicle.

For daylight operation, push the lever towards the front of the vehicle.

Automatic dimming rear view mirror



The vehicle may have an automatic dimming rear view mirror.

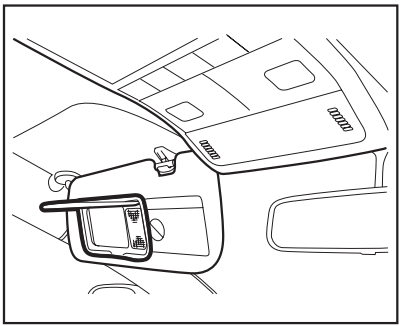
The mirror automatically adjusts to reduce headlamp glare, via the sensors (A), at night from following vehicles.

- When the ignition control knob is turned to the on position, the indicator lamp (C) illuminates.
- To switch off and return to day view, press (B).

⚠Warning

Do not cover the sensors or hang items on the mirror.

Sun visor mirrors



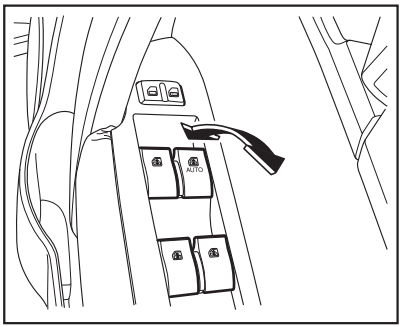
The mirrors are located on the rear side of the sun visors and include a ticket holder.

To view the mirror, pull the cover up from the lower edge.

The vehicle may have illuminated lamps. They turn on and off when the cover is opened and closed.

Windows

Power windows



- The switches for the power windows are located on the driver's door armrest.
- The front switches are for the front windows and the rear switches are for the rear windows.
- Individual switches are also located on the front passenger's door and rear doors.
- The switches operate when the ignition control knob is in the on or accessories position.

Driver's window

The driver's window has an auto down two stage function.

- To lower the window, press the switch down firmly, then release.

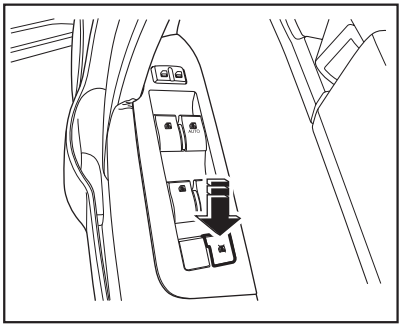
  The window will automatically open fully.
- To stop the window while it is opening, lift the switch up.
- To raise the window, pull the switch up and hold.
- To stop the window, release the switch.

Passenger windows

- To open a passenger window, push the switch down and hold until the window reaches the desired position, then release.
- To close a window, pull the switch up until the window reaches the desired position, then release.

Note
The rear windows do not open fully.

Lock switch

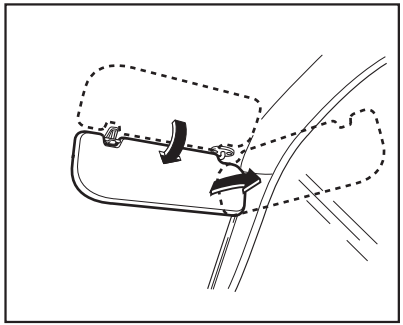


The lock switch for the power windows is located on the driver's door armrest.

- Press the switch to prevent operation of passenger windows.
- Press the switch again to enable operation of passenger windows.

Note
When the ignition control knob is turned to the lock position, the windows can be operated for up to 10 minutes or until the driver's door is opened.

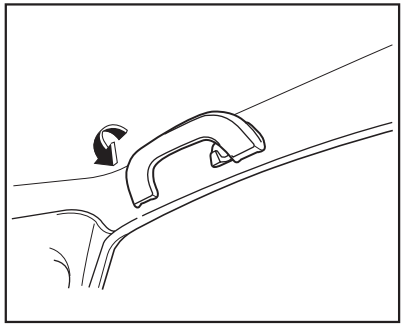
Sun visors



The sun visors may be adjusted to two positions:

1. Fold the sun visor down towards the front of the vehicle.
2. Unclip the inner hinge and fold the sun visor outwards over the side window.

Assist grips



An assist grip is located above the passenger doors to assist passengers getting in and out of the vehicle.

The assist grips above each rear door include a coat hook.

Roof

Sunroof

The vehicle may have a sunroof.

⚠Warning

Always observe the following precautions:

Do not place fingers or objects near the sunroof when operating.

Do not place heavy objects on or around the sunroof.

Remove debris from the outside of the sunroof.

When leaving the vehicle unattended, close the sunroof fully.

As at all other times, all occupants must wear their seat belts whether the sunroof is open or closed.

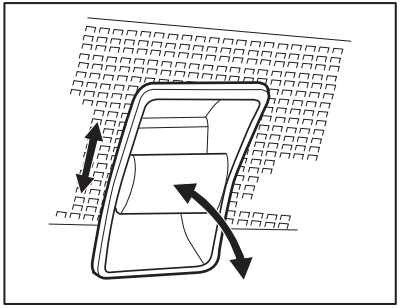
Failure to observe these precautions may result in personal injury or damage to your vehicle.

Fitting an aftermarket sunroof may void the New Vehicle Voluntary Warranty on your vehicle and could result in injury to the vehicle occupants in the event of an accident.

The sunroof:

- Will operate when the ignition control knob is in the on or accessories position.
- Can be raised or can slide back into the roof.

The sunroof switch is located between the sun visors.



Open or close

- Slide the switch rearward and release to open the sunroof.
- Slide the switch forward or rearward to stop movement.
- Slide the switch forward and hold to close sunroof.

Raise or close

- Press and hold the switch to raise the sunroof.
- Pull and hold the switch to close the sunroof.

Sunblind

The sunblind opens automatically with the sunroof or can be manually operated.

The sunblind must be manually closed and cannot be closed with the sunroof open.

Note

The sunblind must be manually operated when the sunroof is raised.

Cleaning and maintenance

Regularly clean the glass, seals and roof flanges with a moist, soft cloth.

Caution
The tinted glass panel on the sunroof is heat and UV resistant. Ensure that due care is taken when cleaning.

Seats, restraints

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Head restraints

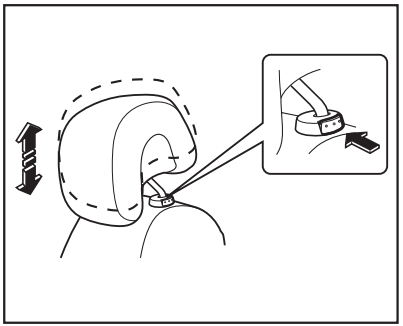
⚠Warning

Do not drive the vehicle with the head restraints removed, as it would increase the risk of a neck injury in the event of an accident.

Do not attempt to adjust the driver's head restraint while the vehicle is in motion. This could cause a loss of control of the vehicle.

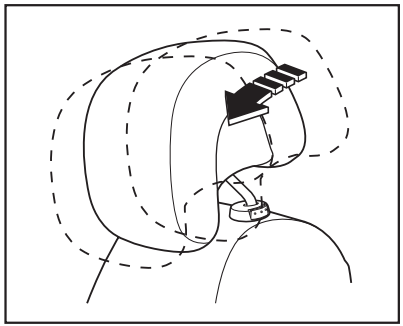
The head restraint safety feature is not intended to rest the head upon. It is solely for the reduction of whiplash neck movement in an accident involving the vehicle.

The centre of the head restraint should be at eye level, never at neck level.



To adjust the height:

1. Push the button in.
2. Pull the head restraint up or push the head restraint down.



To tilt the front head restraints:

1. Place the head restraint in its rearmost position by pushing it forward and releasing it.
2. Push the head restraint forward in stages to the required position.

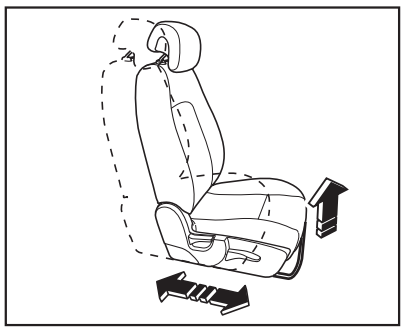
Front seats

Seat position

Seat adjustment

The vehicle may have the following levers and switches for seat adjustment.

Forwards/backwards (Type A)

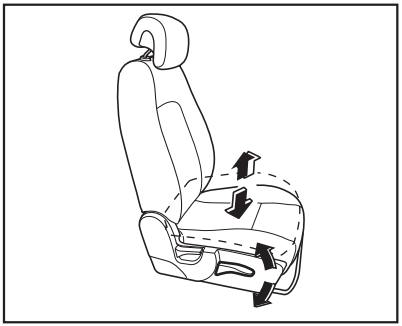


Move the seat forwards or backwards by lifting the bar at the front and sliding the seat.

Release the bar to engage the latch.

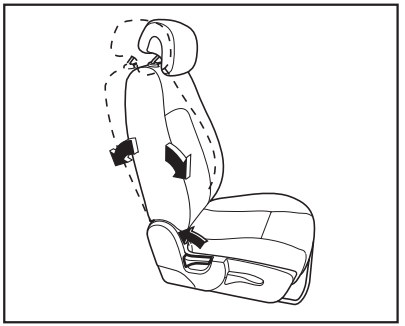
Try to move the seat back and forth to ensure the seat is locked in place.

Up/down (Type A)



Raise or lower the seat cushion by moving the lever up or down.

Recline (Type A)

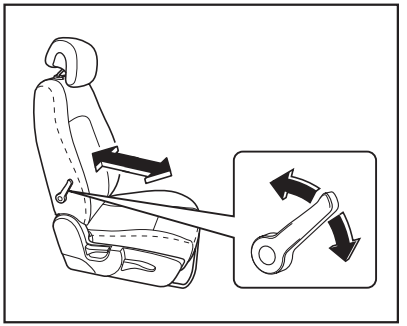


Adjust the seatback by lifting the lever.

⚠Warning

To avoid reducing the effectiveness of seat belts, seatbacks should only be upright or at most semi-reclined when the vehicle is moving.

Lumbar

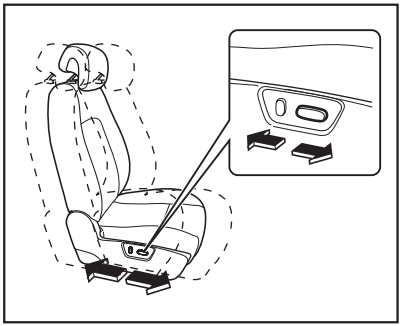


Adjust the lumbar support by pulling or pushing the lever.

⚠Warning

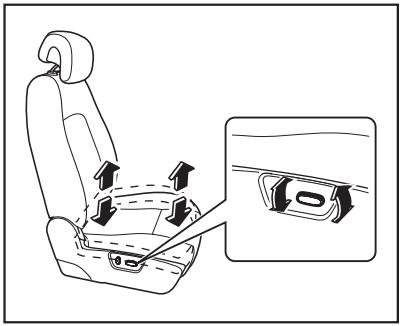
Do not adjust the driver's seat when the vehicle is moving, as the seat could move suddenly, causing the driver to lose control.

Forwards/backwards (Type B)



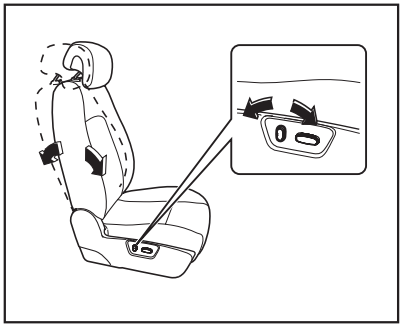
Move the seat forwards or backwards by moving the horizontal switch forwards or backwards.

Up/down (Type B)



Raise or lower the seat cushion by moving the switch up or down at the front, rear or by moving the entire switch.

Recline (Type B)

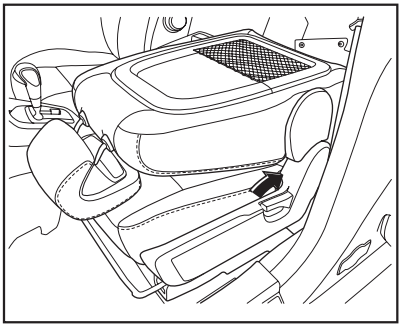


Adjust the seatback by tilting the vertical switch forwards or backwards.

⚠Warning

To avoid reducing the effectiveness of seat belts, seatbacks should only be upright or at most semi-reclined when the vehicle is moving.

Seatback folding



To fold the front passenger's seatback:

1. Push the head restraint forward fully.

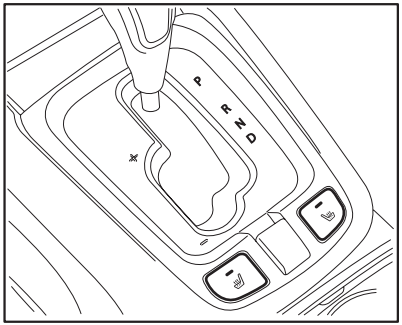
   Head restraints ⇨ 30
2. Move the seat backwards as far as it will go.
3. Lift the reclining lever and tilt the seatback forward until it stops.
4. While still lifting the lever, pull the backrest forward to fold the seatback completely.

To unfold the front passenger's seatback:

1. Lift the seatback to the forward tilted position.
2. Lift the reclining lever and return the seatback to its original position.
3. Ensure the seatback is securely latched by pulling it forwards and backwards.
4. Push the head restraint rearwards to its original position.

Heated front seats

The vehicle may have heated front seats.



To warm the seat:

1. Turn the ignition on.
2. Press or .

The light in the button illuminates.

To turn the heater off:

1. Press or again.

Caution
Prolonged use of the heated seats for people with sensitive skin is not recommended.

Rear seats

⚠Warning

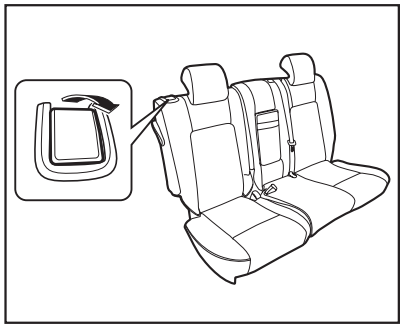
Do not press the release button on the top of the seatback while the vehicle is moving. This could cause damage or injuries to the occupants.

Do not allow passengers to sit on the folded seatbacks while the vehicle is in motion. Unrestrained luggage or passengers on a folded seatback could be thrown within or ejected from the vehicle in a sudden stop or accident.

Do not allow passengers to sit in the third row seats with the rear seats in the folded position.

Second row seats

Recline



To partially recline the seatbacks:

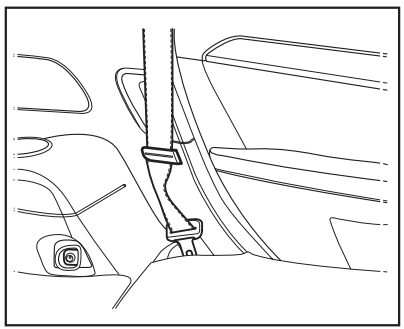
1. Lift the lever.
2. Move the seat to the required position then release the lever.

Seatback folding

To fold individual seatbacks:

1. Ensure all three seat belts are unbuckled and the front seatbacks are not reclined.
2. Push the head restraint down fully.

   Head restraints ⇨ 30
3. Lift the lever and fold the seatback forwards.

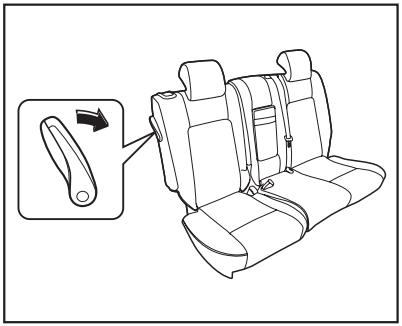


To unfold the seatbacks:

1. Hook the seat belts around the retaining guides.

2. Lift the seatback and push it to its original position.
3. Unhook the seat belts from the retaining guides.
4. Ensure the seatback is securely latched by pulling it forwards and backwards.

Double folding seatback



To fold the seatbacks:

1. Ensure all three seat belts are unbuckled and the front seatbacks are not reclined.
2. Push the head restraint down fully.

   Head restraints ⇨ *30*
3. Pull the lever forwards and fold the seatback.

   The seats will tumble forwards automatically.

   Gas struts will hold the seats in the folded position.

Note
Do not operate the lever when the seats are in the folded position.

To unfold the seatbacks:

1. Hook the seat belts around the retaining guides.
2. Guide the rear seat cushion down and latch it in place.
3. Ensure the rear seat cushion is securely latched by pushing it up and down.
4. Lift the seatback and push it to its original position.
5. Ensure the seatback is securely latched by pulling it forwards and backwards.
6. Unhook the seat belts from the retaining guides.

Third row seats

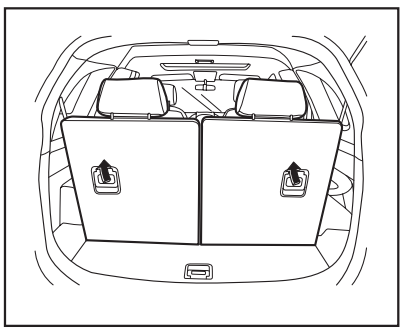
Seatback folding

To unfold the seatbacks:

1. Lift the seatback and push it to the upright position.
2. Ensure the seatback is securely latched by pulling it forwards and backwards.
3. Raise the head restraint and ensure it locks into position.

To fold the seatbacks:

1. Ensure the seat belts are unbuckled.



2. Lift the lever on the back of the seatback. The head restraint will automatically fold forward.
3. Fold the seatback forward until it stops.

Seat belts

How to wear seat belts properly

⚠Warning

Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the occupant.

Belts should not be worn with straps twisted.

Each belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.

No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.

Three point belt

Fitting

The belt should not be twisted. It should lie flat and fit firmly across your hips.

1. Pull the metal tongue across your body.
2. Clip it into the buckle.

   When the metal tongue is locked safely into place you will hear a click.

⚠Warning

The tongue must engage and lock inside the buckle for the seat belt to function properly.

3. Give a gentle pull on the buckle to ensure full engagement.
4. Settle the belt at the hip.
5. Run your hand under the sash from hip to shoulder.

The belt should fit comfortably. Any extra belt length retracts automatically.

Note
For your safety, wear the lap section of the seat belt as low as possible on your hips, not on your waist or abdomen.

The emergency-locking retractor belt allows you to move while the vehicle is travelling normally, but locks immediately on fast braking, impact with a solid object or any quick movement by the occupant.

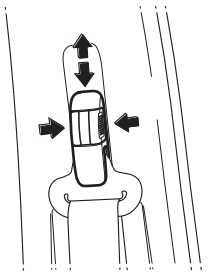
Removing

1. Press the release button on the buckle.
2. Allow the belt to retract.
3. Check that it fully retracts without twisting or turning.

Shoulder height adjust

⚠Warning

Do not attempt to adjust the seat belt height while driving. It could cause loss of control of the vehicle.



Adjust the position of the seat belt anchor to suit the height of the wearer.

1. Squeeze the release buttons.
2. Move the adjuster up or down as required.
3. Lock the safety belt anchor in position.
4. Ensure the anchor clicks into position.
5. Adjust the height so the seat belt passes over the shoulder and rests against the shoulder.

   It must not pass over the neck or upper arm.

Seat belt use during pregnancy

Seat belts work for everyone, including pregnant women. Like all occupants, they are more likely to be seriously injured if they do not wear a seat belt.

A pregnant woman should wear a three point belt with the lap portion of the belt worn as low as possible below the rounding of their stomach, throughout the pregnancy.

Seat belt care

⚠Warning

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. Never use bleach.

The belt should be replaced if webbing becomes frayed, contaminated or damaged.

Maintenance of seat belts

- Check the seat belts regularly.
- Check the buckles and retractor mechanisms.
- Inspection of seat belts is part of the scheduled maintenance. Refer to the Service & Warranty Booklet.

Replacing seat belts after a crash

⚠Warning

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.

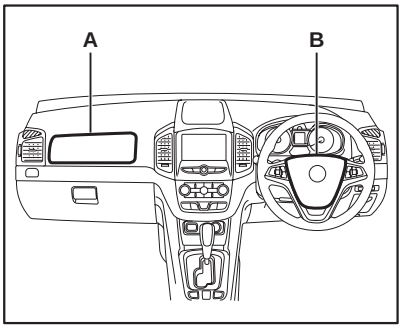
Airbag system

⚠Warning

Airbags are part of the Supplemental Restraint System (SRS) as they assist, but do not replace seat belts. Airbags do not deploy in every accident. Various factors dictate whether they deploy including speed, angle of collision and object hit. Airbags are not designed to inflate in all collisions. Seat belts must be worn by all passengers whenever the vehicle is moving.

Airbags inflate with great force. If you are too close to an inflating airbag it may cause injury. Seat belts help keep you in position for airbag inflation in the event of a collision.

Front airbag system



The airbag system consists of one airbag in the instrument panel on the passenger side (A) and one in the steering wheel (B). These are identified by the word **AIRBAG**.

⚠Warning

WARNING – EXTREME HAZARD!

Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!

The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.

Remember that it is safest for children to be seated in the rear seats.

A label is attached under the sun visor on the passenger side.

⚠Warning

The horn pad must not be covered with adhesive or any other material.

The driver should adjust the seat as far rearward as possible while still maintaining control of the vehicle.

The wording **AIRBAG** above the glove box and a label attached under the sun visor indicate that a passenger airbag is fitted.

⚠Warning

Do not place any objects on or over the instrument panel or between an airbag and yourself.

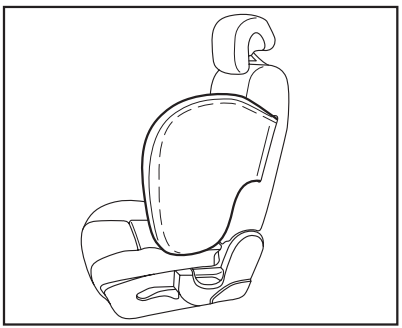
Do not hang anything from the sun visor or mirror.

Passengers must not rest their feet on the instrument panel.

Front airbags will inflate in certain severe frontal or near frontal impacts. Front airbags are not designed to inflate if the vehicle is struck from the side, rear or in rollovers. Always wear a seat belt.

Side impact airbags (SIAB)

A SIAB is stored in the side of each front seat closest to the door.



Note
SIAB deploy in most, but not all, severe side impacts.

Because there is limited time available to detect some side impacts, it is not possible to deploy the SIAB in all serious accidents.

A SIAB will deploy in certain severe side impacts. SIAB are not designed to inflate if the vehicle is struck from the front, rear, or in rollovers. Always wear a seat belt.

⚠Warning

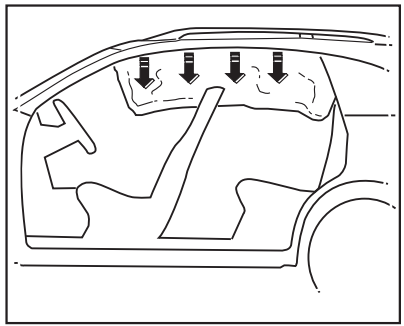
Do not fit unauthorised seat covers as they may impair the deployment of the Side Impact Airbags (SIAB).

Do not position your body or any object (including pillows) between front seats and doors.

Do not lean on or sleep against the door. Always sit centrally in the seat.

Always wear a seat belt.

Curtain airbag system



Curtain airbags are stored in the roof, just above the front and rear doors. The labels are on both door lock pillars.

Note

Curtain airbags:

- Do not protect the third row seat passengers.
- Deploy in most, but not all, severe side impacts.
- Only deploy on the side of the vehicle that is struck.

- Do not deploy in all serious accidents.

  There is limited time available and it is not possible to detect some side impacts.
- Are not designed to inflate if the vehicle is struck from the front, rear, or in rollovers. Always wear a seat belt.

⚠Warning

Do not position your body or any object (including pillows) in the area in which the airbag inflates.

There must be no objects in the area in which the airbag inflates.

Use the hooks above the doors only to hang up light articles of clothing.

Do not place any objects in the pockets of the hanging items.

Do not hold onto the assist grips (above the doors) while seated in the vehicle.

Do not lean on, or sleep against the front or rear doors. Always sit centrally in the seat. Always wear a seat belt.

Seat belt pretensioners

Front seat belt pretensioners are part of the Supplemental Restraint System (SRS).

- In certain severe collisions the seat belts are tightened by the seat belt pretensioners.
- When activated illuminates on the instrument cluster.

  The pretensioner system needs to be replaced by a Holden Dealer.
- The seat belts remain operational but not the pretensioners.
- If illuminates at any other time, contact a Holden Dealer immediately.

  Airbag and Supplemental Restraint System (SRS) light ⇨ 64
- Always wear a seat belt.

Servicing

The SRS system needs to be checked by a Holden Dealer if:

- The steering wheel or instrument panel area is scratched, cracked or damaged.
- The headlining side panels are damaged.

Note

- Do not tamper or interfere with the airbag system.

  Airbag system failure or accidental deployment may occur.
- Do not touch any airbag system components or wires.

  The wires can be identified by yellow tape wrapping, yellow tubing or yellow connectors.
- It is recommended that any work to the airbag system, electrical system, instrument panel area, steering column and steering wheel be carried out by a Holden Dealer.
- Scrapping a vehicle that has an uninflated airbag can be hazardous. Contact a Holden Dealer for assistance.

Adding equipment

Nudge bar

If a nudge bar is to be fitted, it is critical a Holden approved nudge bar be used.

Fitting nudge bars ⇨ 170

Child restraints

If travelling with children in the vehicle, child restraints are required.

⚠Warning

WARNING – EXTREME HAZARD!

Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!

The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.

Remember that it is safest for children to be seated in the rear seats.

A label is attached under the sun visor on the passenger side.

⚠Warning

This manual provides you with general information concerning child restraints only.

The driver is required by law to ensure that passengers and pets are suitably restrained. In States and Territories of Australia and New Zealand, specific laws exist which require children to be seated in approved child restraints and/or in certain locations within the vehicle.

Holden strongly recommends that you refer to your specific State or Territory regulations to determine which child restraint and seat location is suitable for your child.

⚠Warning

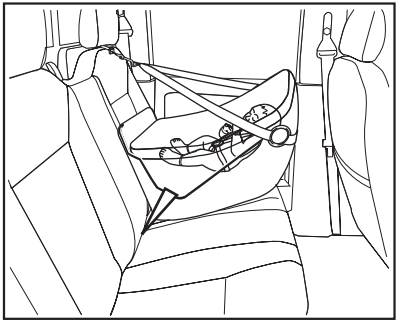
Always ensure the seat belt fits firmly around the child restraint, as applicable to the type of restraint used.

If a child cannot see out of the window, do not raise him/her by means of an ordinary cushion. It will not stay in place in a collision and the child can slip out of the straps and become entangled.

⚠Warning

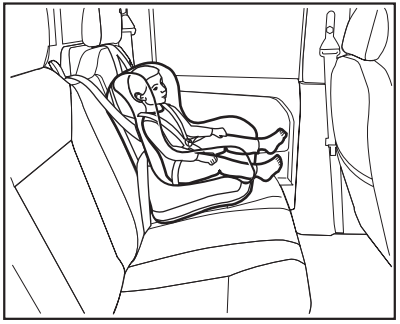
Always follow the child restraint manufacturer's fitting instructions when installing a child restraint into the vehicle.

Infants



Rearward facing infant capsules are designed so that in the event of a collision, impact forces will be evenly spread over the baby's back, with minimal jarring to the vulnerable head and neck area.

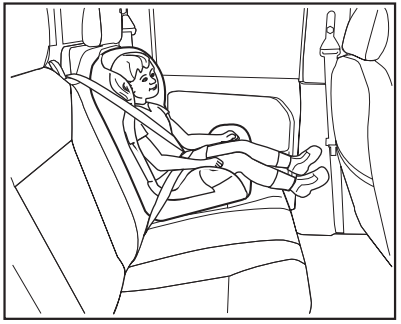
Young children



Forward facing child seats are for use when the child is able to sit and easily hold their head upright.

It is also possible to purchase convertible seats which can be used as a rearward facing infant restraint or converted to a forward facing child seat.

Booster seats



Booster seats are for when children outgrow a typical forward facing child seat, but are still too small for three point seat belts.

Older children

A child should use a normal three point seat belt only when:

- They can sit against the back of the rear seat with knees bent comfortably at the edge of the seat.
- The lap belt rests low and snug across the hips, not across the stomach.
- The sash belt is centred on the shoulder and chest.
- They are able to stay seated like this for the entire trip.

Where to put the restraint

⚠Warning

It is safest for children to be seated in the rear seats.

Only child restraints that have clips to attach to the vehicle's anchorage fittings are to be used. Other types of child restraints may not attach securely to this type of anchor.

Use only Standards Australia and New Zealand approved child restraints and harnesses. Only purchase a child restraint which carries the appropriate Standards Australia sticker of approval.

Australian States and Territories and New Zealand have laws restricting the seating of children in the front passenger seat. In most jurisdictions, children under 4 years should not be seated in the front passenger seat. Check your local road safety regulations before seating a child in the front seat.

Where legally allowed, you may install a forward-facing child restraint in the front seat, but always move the passenger seat as far back as it will go.

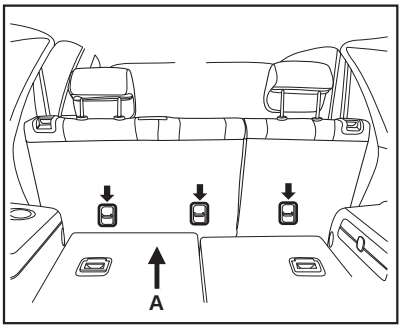
Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses, or for attaching other items or equipment to the vehicle.

Child restraints located in the second row must be attached to the child restraint anchorage points, located behind the second row rear seatbacks.

Do not place child restraints on the third row seats.

Child restraint installation locations

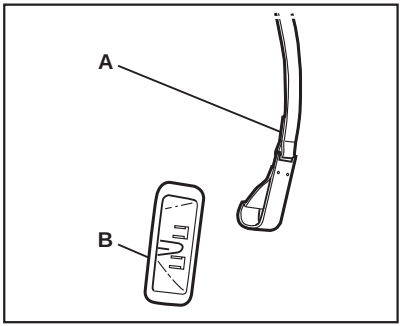
Anchor points



A. Front of vehicle

Tether anchors are located on the rear of the second row seats.

Attaching the child restraint



1. Place the child restraint on the second row rear seat.
2. Attach the child restraint to the anchors following the instructions supplied with the child restraint.
3. Attach the clip on the child restraint tether strap (A) to the tether anchor (B), ensuring there are no twists in the tether strap.

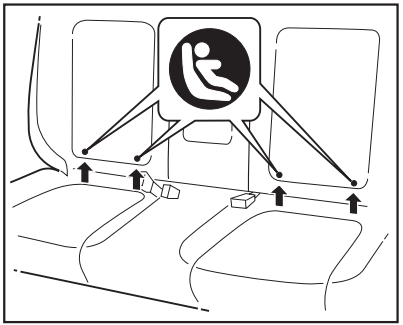
Note

Positioning a child restraint in front of an adjustable head restraint:

- If using a dual tether, route the tether around either side of the head restraint.
- If using a single tether, raise the head restraint and route the tether under the head restraint between the two mounting posts.

Tighten the tether straps following the instructions supplied with the child restraint.

ISOFIX child restraint systems



Fasten vehicle-approved ISOFIX child restraint systems to the ISOFIX mounting brackets.

Note
Ensure the seat belt buckles are placed out of the way of the child seat.

ISOFIX mounting brackets are indicated by a label on the seatback, as shown. In addition to the ISOFIX mounting, fasten the top-tether straps to the top-tether anchorage points.

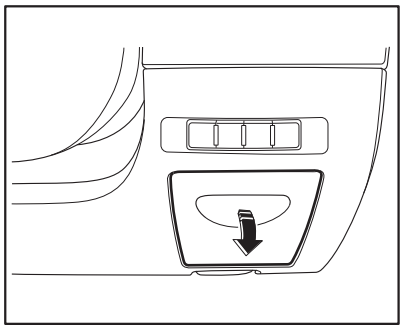
Attaching the child restraint ⇨ 48

Storage

Storage compartments 50
Coin storage 50
Glove box 50
Cup holders 51
Front centre console 51
Sunglasses holder 52
Under seat storage 52
Rear storage 52

Storage compartments

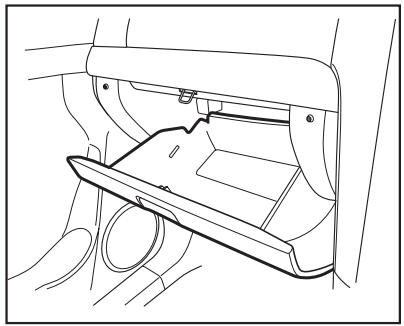
Coin storage



The coin storage compartment is located on the driver side of the instrument panel.

- To open, pull the handle rearwards.

Glove box



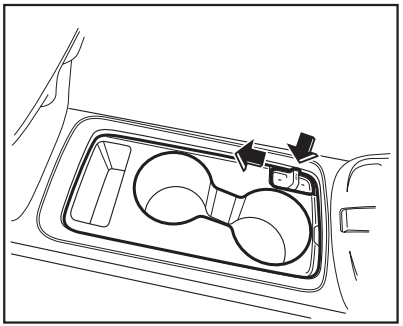
The glove box is located on the passenger side of the instrument panel.

- To open, pull the handle rearwards.
- To close, push the lid firmly back into place to engage the latch.

Cup holders

Cup holders are located between the two front seats, within the rear armrest and on the passenger side of the rear load area.

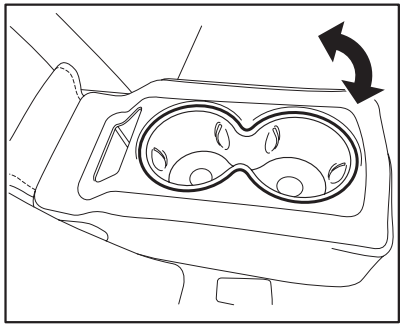
Front cup holders / storage bin



The front cup holders are located above a storage bin.

- To open the storage bin, push the lever down and slide rearwards.
- To close the storage bin, push the lever down and slide forward.

Rear armrest cup holders



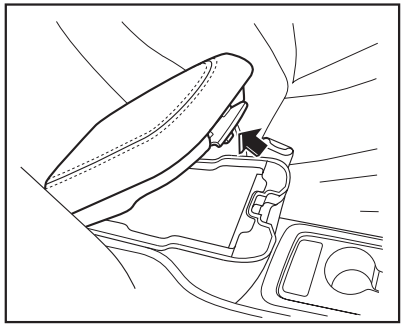
The rear cup holders are located between the two second row seats, within the armrest.

- To open, pull the strap downwards.

Third row seat cup holder

A cup holder is provided for the third row seat occupants on the left-hand side.

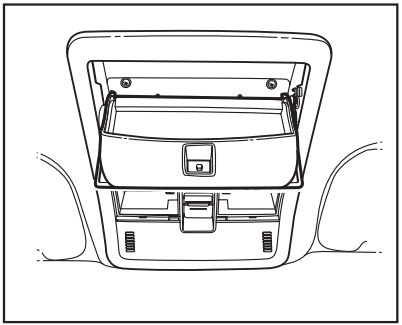
Front centre console



The centre console bin is located between the two front seats.

- To open the lid, pull up on the lever and lift upwards.
- To close, lower the lid and push down to engage the latch.

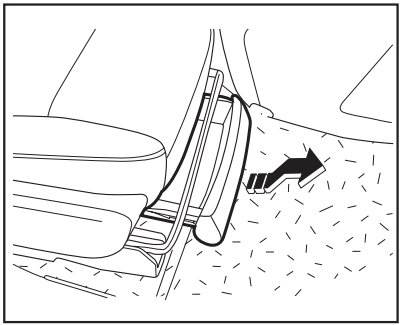
Sunglasses holder



The sunglasses holder is located in the roof and is designed to accommodate one pair of sunglasses.

- To open, push in the rear of the lid and release.
- To close, push the lid upwards and press in the rear of the lid to engage the latch.

Under seat storage

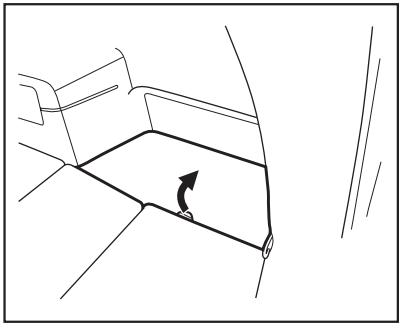


The vehicle may have a front passenger seat storage tray.

- To open, pull upwards on the end of the tray and slide forwards.
- To close, push the tray back under the seat to the original position.

Rear storage

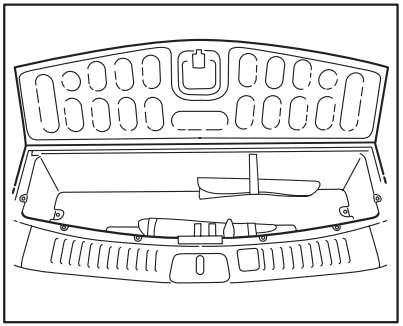
Side under-floor container



A side under-floor storage container is located on each side of the luggage floor area.

- To open, pull the lid upward.

Rear under-floor container



A rear under-floor storage container is located at the rear of the luggage floor area.

- To open, pull the handle upward.

Caution
Do not store items beyond the top of the storage container or the luggage floor may be damaged.

Instruments and controls

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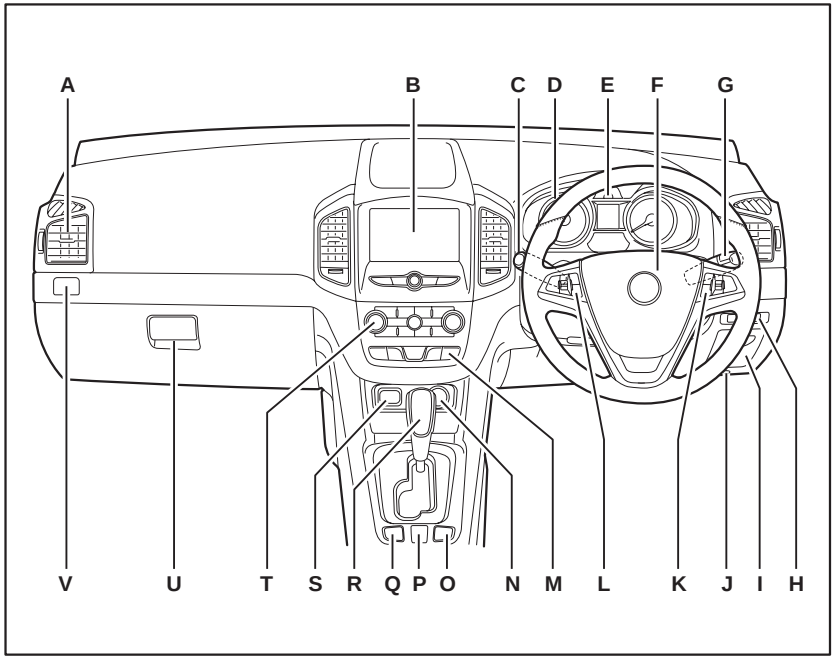
Instrument panel overview



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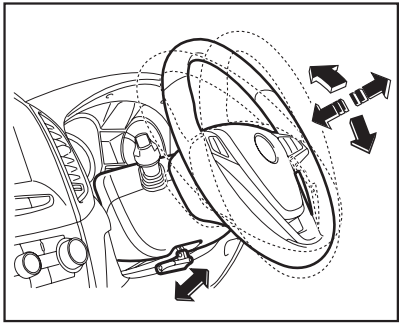
Controls

Steering wheel adjustment

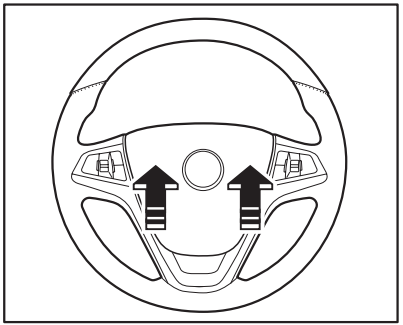
⚠Warning

Do not attempt to adjust the steering wheel while driving.



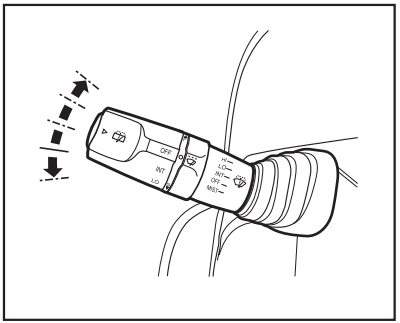
1. To unlock, move the lever down.
2. To adjust, move the steering wheel up, down, in or out.
3. To lock, move the lever up. Ensure the steering wheel is locked in position before driving.

Horn



Press the horn pad on either side.

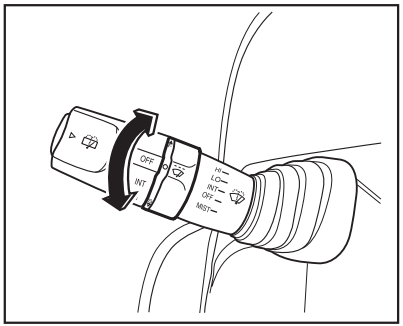
Windscreen wipers / washers



The wipers/washers operate with the ignition control knob in the on or accessories position:

MIST: For a single wipe, move the lever downwards and release it.

OFF: Wipers off.



INT: Move the lever up one level for intermittent wipes.

Rotate the collar up for more frequent wipes, or down for less frequent wipes.

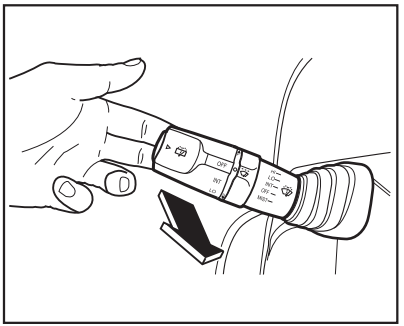
Note
The intermittent wiper frequency is increased as vehicle speed increases.

LO: Move the lever up two levels for a continuous slow speed wipe.

HI: Move the lever up three levels for a continuous fast speed wipe.

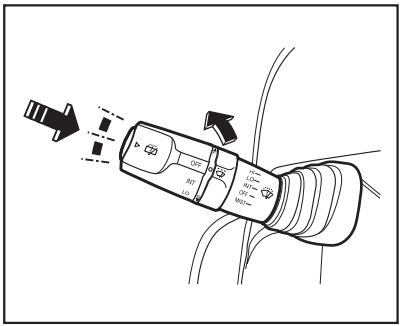
If the wipers are turned on when the lamp switch is in the **AUTO** position, the headlamps will turn on automatically after eight wipes.

Washer fluid



- Pull the lever towards the rear of the vehicle.
- Washer fluid is sprayed onto the windscreen.
- The wipers will operate for three cycles or until the lever is released.

Rear wiper and washer



Rotate the end of the lever towards the front of the vehicle.

To spray washer fluid onto the rear windscreen, push the button on the end of the lever.

OFF: Off.

INT: Intermittent operation.

LO: Continuous operation.

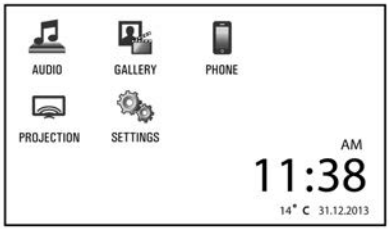
Note

- Do not operate the wipers on dry glass.
- Clear the wipers of any snow or ice before switching them on.
- The rear wiper comes on when the front wipers are on and reverse gear is engaged.

Outside temperature

The outside temperature is shown in the infotainment system display while the ignition is on.

Clock



The time and date is shown in the infotainment system display while the system is on.

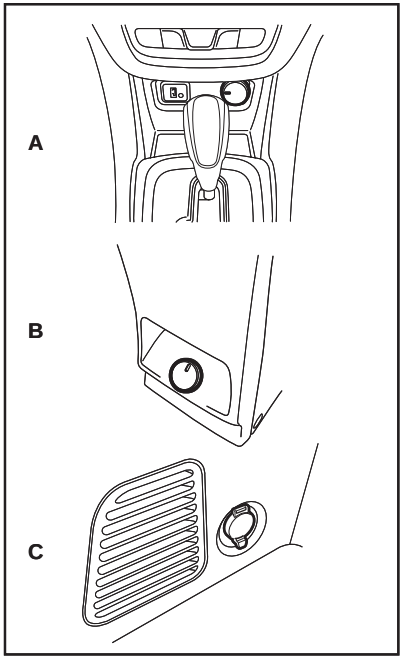
To adjust the time and date; *Settings* ⇨ *120*

Power outlets

The centre console power sockets operate with the ignition control knob in the on or accessories position.

The rear load area power socket operates at all times, when the ignition control knob is turned on or off.

Retained Accessory Power (RAP) ⇨ *137*



A power socket is located in front of the shift lever (A), on the rear of the centre console (B) and on the passenger side of the load area (C).

Connecting a device

1. Flip the socket cover open.
2. Follow the installation instructions that are included with the device.
3. Cover the socket with the protective cap when not in use.

These circuits are protected by a fuse and have a maximum current load of 10 amps.

Caution

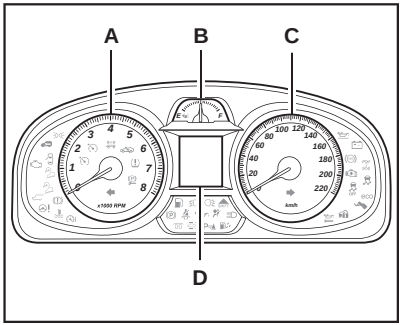
When using all accessory power sockets, the total maximum electrical load must not exceed 10 amps at 12 volts.

Always switch off any electrical equipment when not in use.

Leaving electrical equipment on for extended periods with the engine off will drain the battery.

Warning lights, gauges and indicators

Instrument cluster



A. Tachometer
B. Fuel gauge
C. Speedometer
D. Driver Information Centre (DIC)

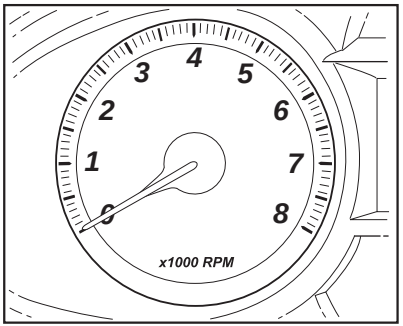
Tachometer

The tachometer shows engine speed in thousands of revolutions per minute (RPM).

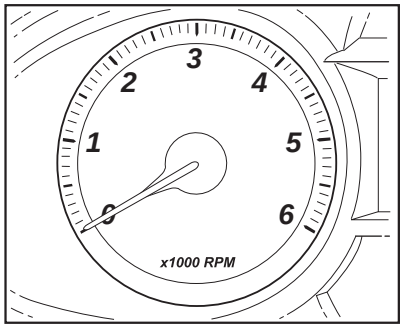
The red zone indicates critical engine speed.

⚠Warning

Do not operate the vehicle with the tachometer needle in the red zone. Doing so continually will lead to serious engine damage.



Tachometer (petrol) shown



Tachometer (diesel) shown

Fuel gauge

The fuel gauge shows the level of fuel in the fuel tank when the ignition control knob is turned to the on position.

Fuel ⇨ *162*, *Capacities* ⇨ *237*

(**E** = empty, **F** = full)

Note

- The arrow on the fuel gauge symbol indicates the side of the vehicle the fuel door is on.
- Do not let the tank run empty as this may cause damage to the catalytic converter.
- If diesel engines run dry, the fuel system must be bled.

  Diesel fuel system bleeding ⇨ *192*

Speedometer

The speedometer shows vehicle speed in kilometres per hour (km/h).

Odometer and tripmeter

The odometer records the distance travelled since the vehicle was built.

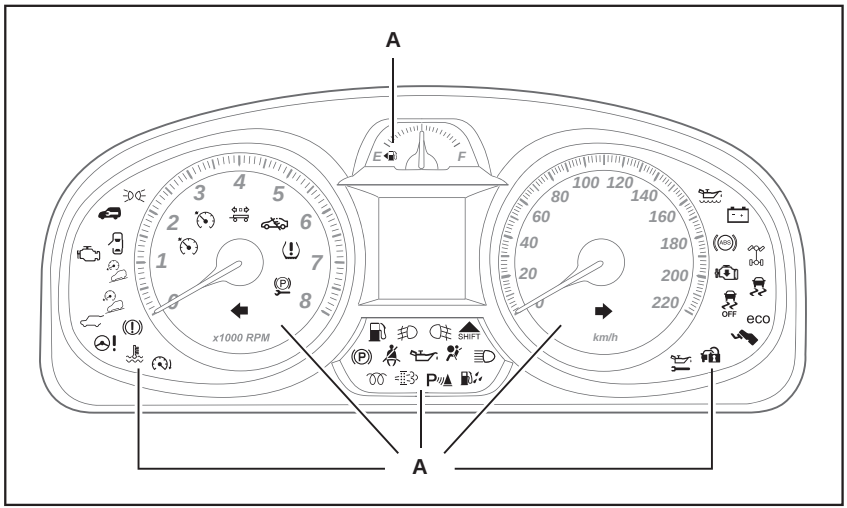
The tripmeter records the distance travelled on a journey.

- Two different trips (Trip A and Trip B) can be recorded at the same time.

The odometer and tripmeter are displayed in the Driver Information Centre (DIC).

Driver Information Centre (DIC)
⇨ *73*

Control indicators



The following warning lights and reminders (A) may appear on the instrument cluster.

They show as illuminated icons and/or animations.

A chime sounds with most warning lights and reminders.

Note
Not all indicators may be available.

Overview

- Driver's seat belt reminder light ⇨ *64*
- Front passenger's seat belt reminder light ⇨ *64*
- Battery warning light ⇨ *64*
- Airbag and Supplemental Restraint System (SRS) light ⇨ *64*
- Malfunction indicator lamp (MIL) ⇨ *65*
- Service Vehicle Soon (SVS) light ⇨ *65*
- Brake warning light ⇨ *65*
- Park brake light ⇨ *66*
- Press brake pedal light ⇨ *66*
- Park brake warning light ⇨ *66*
- Antilock Brake System (ABS) light ⇨ *66*
- Shift select light ⇨ *67*
- All Wheel Drive system (AWD) light ⇨ *67*
- Descent Control System (DCS) light ⇨ *67*
- Speed Sensitive Power Steering (SSPS) light ⇨ *68*
- Rear Park Assist (PA) light ⇨ *68*
- Electronic Stability Control (ESC) light ⇨ *68*
- Electronic Stability Control (ESC) off light ⇨ *69*
- Engine coolant temperature light ⇨ *69*
- Preheating system light ⇨ *69*
- Diesel particle filter (DPF) (exhaust filter) light ⇨ *70*
- Engine oil pressure light ⇨ *70*
- Engine oil level light ⇨ *70*
- Change engine oil light ⇨ *71*
- Low fuel light ⇨ *71*
- Fuel economy light ⇨ *71*
- Water in fuel filter light ⇨ *71*
- Immobiliser light ⇨ *71*
- Reduced engine power light ⇨ *72*
- High beam light ⇨ *72*
- Front fog lamp light ⇨ *72*
- Rear fog lamp light ⇨ *72*
- Turn signal light ⇨ *72*
- Cruise control light ⇨ *72*
- Up-shift light ⇨ *72*
- Door ajar light ⇨ *72*
- Tailgate ajar light ⇨ *73*

Driver's seat belt reminder light

- When the ignition control knob is turned to the on position, illuminates.

If the seat belt is not fastened after the engine has been started:

- The light will flash for approximately 90 seconds, then stay illuminated until the driver's seat belt is fastened.
- When the vehicle speed is above 22 km/h, the light will flash again and a chime will sound for approximately 90 seconds.

  The light will stay illuminated until the driver's seat belt is fastened.

If the driver's seat belt is buckled, neither the chime or the light will illuminate.

Front passenger's seat belt reminder light

The vehicle may have a front passenger seat belt reminder light located below the front passenger side air vent on the instrument panel.

- When the ignition control knob is turned to the on position, illuminates or flashes.
- The light extinguishes if the front passenger seat is not occupied.
- If the front passenger seat is occupied, the light flashes until the front passenger's seat belt is fastened.
- When the vehicle speed is above 22 km/h, a chime will also sound.

Battery warning light

- When the ignition control knob is turned to the on position, illuminates for approximately 4 seconds.
- If the light illuminates when driving, contact a Holden Dealer.

Airbag and Supplemental Restraint System (SRS) light

- When the ignition control knob is turned to the on position, flashes several times.

If the lamp:

- Does not flash
- Stays on when the ignition control knob is turned to the on position
- Stays on after several flashes
- Flashes while driving
- Remains on while driving

  The airbag system or seat belt pretensioner system may not function correctly, especially in an accident.

  Contact a Holden Dealer immediately.

Malfunction Indicator Lamp (MIL)

illuminates:

- When the ignition control knob is turned to the on position:

  If the light remains on or illuminates while driving, there may be a malfunction in the emission control system. Contact a Holden Dealer.
- To indicate there is a malfunction in the Diesel Particle Filter (DPF) (exhaust filter). Contact a Holden Dealer.

Emission control system ⇨ 172

⚠Warning

If you keep driving the vehicle with the MIL illuminated, after a while, the emission control system may not work as well, fuel economy may not be as efficient and the engine may not run as smoothly. This could lead to costly repairs.

Service Vehicle Soon (SVS) light

- When the ignition control knob is turned to the on position, illuminates for approximately 4 seconds.
- If the light remains on, contact a Holden Dealer.

⚠Warning

If you keep driving the vehicle while the SVS light is on, damage may result in the non-emission related components or related sub systems. This could lead to costly repairs.

Brake warning light

- When the ignition control knob is turned to the on position, (!) illuminates for approximately 4 seconds.
- If the light remains on or illuminates, there is a brake problem. Contact a Holden Dealer.

⚠Warning

Driving while (!) is on may cause injury to yourself and others. Have the brake system checked immediately if this occurs.

Park brake light

- Ⓟ illuminates when the park brake is applied or briefly when the ignition control knob is turned to the on position.
- If Ⓟ does not illuminate, contact a Holden Dealer.
- If Ⓟ flashes after the park brake is released or while driving, contact a Holden Dealer.

Press brake pedal light

If the brake pedal is not applied when the EPB is released:

- A chime will sound.
- will illuminate.

Electric Park Brake (EPB) ⇨ *147*

Park brake warning light

- When the ignition control knob is turned to the on position, Ⓟ illuminates for a short time.
- If Ⓟ does not come on or illuminates while driving, contact a Holden Dealer.

Antilock Brake System (ABS) light

- When the ignition control knob is turned to the on position, (ABS) illuminates for approximately 4 seconds.

Carefully stop the vehicle and turn off the engine if the light:

- Does not flash or stays on when the ignition control knob is turned to the on position.
- Stays on after several flashes.
- Flashes while driving.
- Stays on continuously while driving.

If the light remains on while driving, contact a Holden Dealer immediately.

Note

- The vehicle's brakes will still operate but without the assistance of the ABS.

Antilock Brake System (ABS) ⇨ *146*

Shift select light

- illuminates to show the position of the shift lever.

Automatic transmission ⇨ 141

All Wheel Drive system (AWD) light

The vehicle may have an AWD system.

- When the ignition control knob is turned to the on position, illuminates for approximately 4 seconds.
- The light flashes when the AWD system is temporarily disabled.
- If the light remains on, contact a Holden Dealer.

Drive systems ⇨ 145

Descent Control System (DCS) light

- illuminates green when the DCS is selected.
- The green light flashes while DCS is active.
- The amber light indicates the DCS is not ready or there is a malfunction in the system. Contact a Holden Dealer.

Descent Control System (DCS) ⇨ 151

Speed Sensitive Power Steering (SSPS) light

- When the ignition control knob is turned to the on position, illuminates for approximately 4 seconds.

Contact a Holden Dealer as soon as possible if the light:

- Does not illuminate.
- Does not extinguish.
- Illuminates while driving.

Speed Sensitive Power Steering (SSPS) ⇨ *135*

Rear Park Assist (RPA) light

- When the ignition control knob is turned to the on position, **P** illuminates for approximately 4 seconds.
- If the light illuminates while driving, contact a Holden Dealer.

When a trailer lighting plug is connected to the vehicle:

- PA will be deactivated.
- The light will illuminate on the instrument cluster.
- PA will activate again when the plug is removed.

Rear Park Assist (RPA) ⇨ *155*

Electronic Stability Control (ESC) light

- When the ignition control knob is turned to the on position, illuminates for approximately 4 seconds.
- If the light flashes while driving, the ESC is actively helping the vehicle with road grip and stability.
- If the light illuminates or does not extinguish while driving, contact a Holden Dealer immediately.

Electronic Stability Control (ESC) ⇨ *149*

Electronic Stability Control (ESC) off light

- When the ignition control knob is turned to the on position, OFF illuminates for approximately 4 seconds.

To turn the ESC off:

1. Press on the instrument panel. illuminates on the instrument cluster.

Electronic Stability Control (ESC) ⇨ *149*

Engine coolant temperature light

- When the ignition control knob is turned to the on position, illuminates for approximately 4 seconds.

If the light illuminates while driving, the engine coolant temperature is excessively hot:

- Stop the vehicle as soon as it is safe to do so.

Engine overheating ⇨ *183*

If the light remains on, contact a Holden Dealer.

⚠Warning

Do not continue driving with the engine coolant temperature light illuminated. The engine is too hot.

Continued operation of an overheated engine will result in severe engine damage.

Engine overheating ⇨ *183*

Preheating system light

(Diesel engines)

- When the ignition control knob is turned to the on position, illuminates and will stay illuminated until the glow plugs are sufficiently warmed.
- The preheating system switches on only if the outside temperature is low.

Starting the engine ⇨ *138*

Diesel Particle Filter (DPF) (exhaust filter) light

(Diesel engines)

If illuminates or flashes yellow the diesel particle filter requires cleaning.

Diesel Particle Filter (DPF) (exhaust filter) ⇨ *173*

Illuminates

The diesel particle filter requires cleaning. Start the cleaning process as soon as possible.

Cleaning process ⇨ *173*

Flashes

flashes yellow and a chime sounds when the previous cleaning cycles have been interrupted prior to completion. Start the cleaning process immediately to avoid damage to the engine.

Cleaning process ⇨ *173*

The light extinguishes as soon as cleaning is complete.

Engine oil pressure light

- When the ignition control knob is turned to the on position, illuminates for approximately 4 seconds.

If the light illuminates while driving:

- The oil pressure is dangerously low.

  Stop the vehicle as soon as possible and check the engine oil level.

Engine oil ⇨ *179*

Do not drive the vehicle with the light illuminated. Contact a Holden Dealer.

Engine oil level light

- When the ignition control knob is turned to the on position, illuminates for approximately 4 seconds.

If the light illuminates while driving:

- The oil level is dangerously low.

  Stop the vehicle as soon as possible and check the engine oil level.

Engine oil ⇨ *179*

Do not drive the vehicle with the light illuminated. Contact a Holden Dealer.

Change engine oil light

- When the ignition control knob is turned to the on position, illuminates for approximately 4 seconds.
- If the light does not come on, contact a Holden Dealer.
- If the light illuminates continuously, an engine oil and filter change is required. Contact a Holden Dealer.

Engine oil life system ⇨ 231

Low fuel light

- When the ignition control knob is turned to the on position, illuminates for approximately 4 seconds.
- The light illuminates when the fuel tank is approaching empty.

  Add fuel as soon as possible.
- If diesel engines run empty, the fuel system must be bled.

Diesel fuel system bleeding ⇨ 192

Fuel types ⇨ 164

Fuel economy light

- The eco light illuminates when eco on the centre console is pressed.

Fuel economy mode ⇨ 143

Water in fuel filter light

(Diesel engines)

When the water level in the fuel filter is excessive, illuminates:

- Contact a Holden Dealer immediately to have the fuel filter drained.
- The fuel filter will be drained when the vehicle is serviced. Refer to the Service & Warranty Booklet.

Immobiliser light

- When the ignition control knob is turned to the on position, illuminates for approximately 4 seconds.
- If the light remains on, contact a Holden Dealer.

Reduced engine power light

illuminates when illuminates.

1. Stop the vehicle as soon as it is safe to do so.
2. Switch the ignition off then restart after 10 seconds.

   The vehicle may be driven at a reduced speed.
3. Contact a Holden Dealer immediately.

High beam light

- illuminates when the headlamp high beam lamps are in use.

High/low beam ⇨ 83

Front fog lamp light

The vehicle may have front fog lamps.

- illuminates when the lamps are in use.

Front fog lamps ⇨ 84

Rear fog lamp light

- illuminates when the lamps are in use.

Rear fog lamps ⇨ 85

Turn signal light

- or flashes when the lamps are in use.

Turn signals ⇨ 84

Hazard warning flasher ⇨ 83

Cruise control light

- illuminates white when the cruise control is on and illuminates green when the cruise control has been set.
- The light extinguishes when cruise control is turned off.

Cruise control ⇨ 153

Up-shift light

The vehicle may have an up-shift indicator.

- illuminates to indicate when to shift to the next higher gear for best fuel economy.

Door ajar light

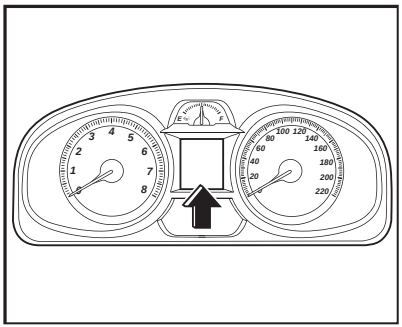
- illuminates when a door is open or not securely latched.

Tailgate ajar light

- When the ignition control knob is turned to the on position, illuminates for approximately 4 seconds.
- The light illuminates when the tailgate is open or not securely latched.

Information displays

Driver Information Centre (DIC)

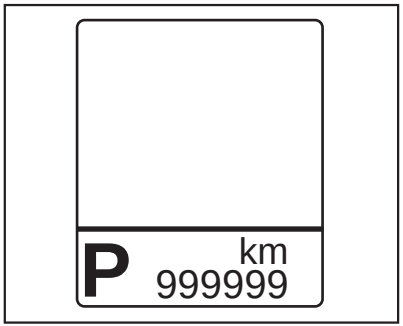


The DIC displays information about the vehicle. It also displays warning messages if a system problem is detected.

Vehicle messages ⇨ *80*

All messages appear in the DIC display in the centre of the instrument cluster.

Transmission and odometer display



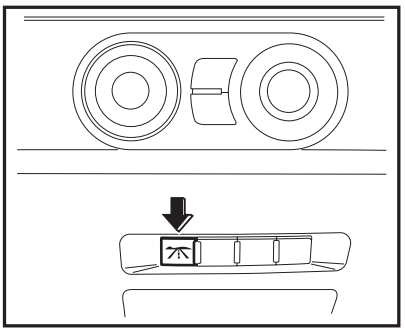
The selected gear or transmission mode and the odometer are displayed in the lower area of the DIC.

Trip computer

The trip computer provides the driver with information in the DIC display such as trip meters, driving distance with the remaining fuel, average speed, driving time and average fuel economy.

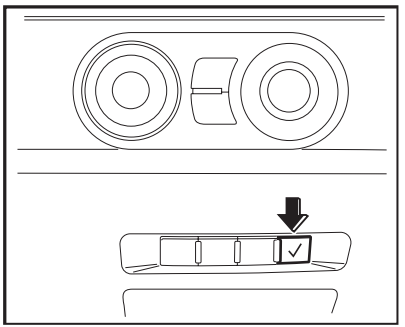
The trip information only displays when the ignition is on.

Trip Information



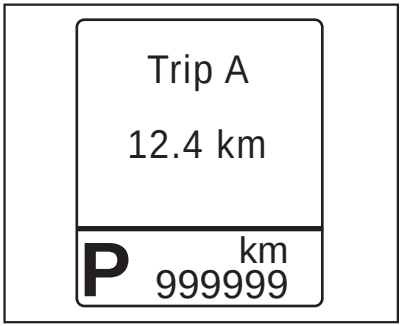
Repeatedly pressing for a short time will scroll through the trip information menu items in the following order:

- Trip A
- Trip B
- Fuel range
- Average fuel economy
- Instant fuel economy
- Average vehicle speed
- Speed



Press and hold ✓ for a short time to make a selection.

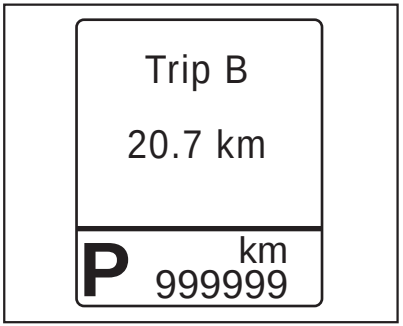
Trip A



This display shows the distance travelled since Trip A was reset.

To reset Trip A to zero press and hold ✓.

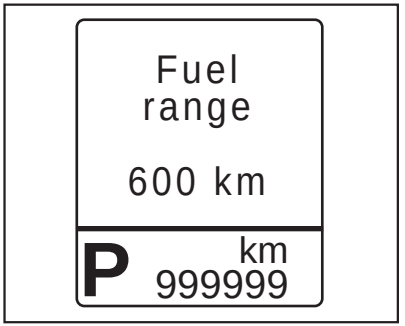
Trip B



This display shows the distance travelled since Trip B was reset.

To reset Trip B to zero press and hold ✓.

Driving distance with remaining fuel



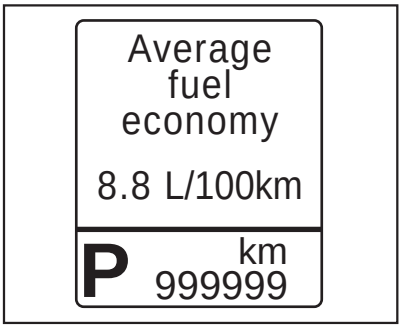
This display shows the approximate number of remaining kilometres the vehicle can be driven without refuelling.

When the distance to empty is under 50 km, you will see dashes on the display.

The fuel range estimate is based on an average of the vehicle's fuel economy over recent driving history and the amount of fuel remaining in the fuel tank.

This estimate will change if driving conditions change. For example, if driving in traffic and making frequent stops, this display may read one number, but if the vehicle is driven on a freeway, the number may change even though the same amount of fuel is in the fuel tank. This is because different driving conditions produce different fuel economies. Generally, freeway driving produces better fuel economy than city driving.

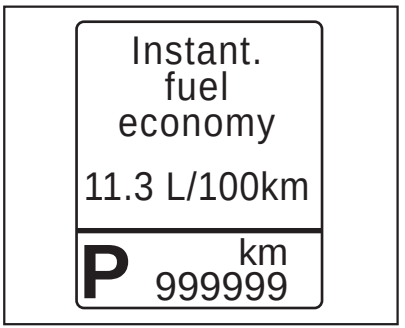
Average fuel economy



This display shows the approximate average fuel consumption in litres per 100 kilometres (L/100 km). This number is calculated based on the number of L/100 km recorded since the last time this menu item was reset.

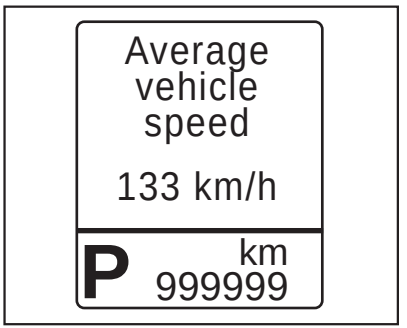
To reset the average fuel economy, press and hold ✓. The average fuel economy will be reset to 10.0 if the battery is disconnected.

Instant fuel economy



This display shows the instantaneous fuel consumption.

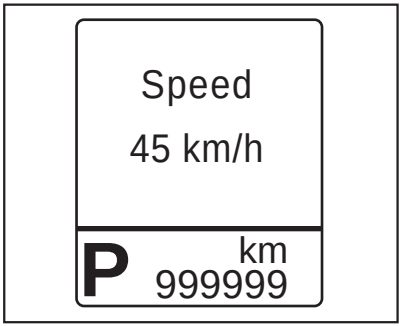
Average vehicle speed



This display shows the average vehicle speed.

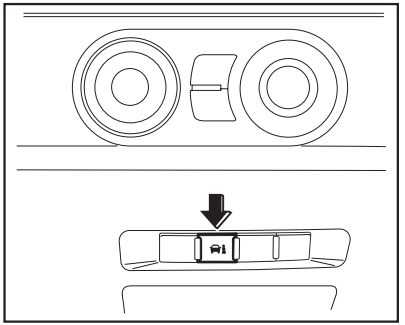
To reset the average speed to zero, press and hold ✓.

Speed



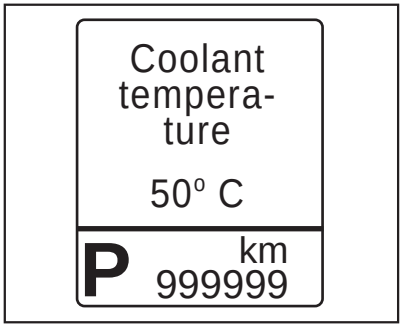
This display shows the current vehicle speed.

Vehicle Information



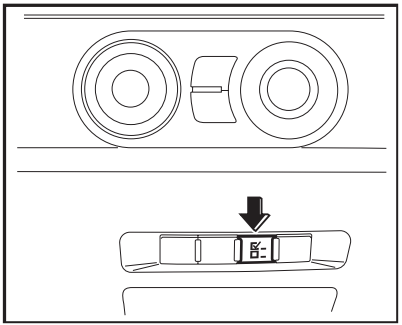
Pressing i for a short time will display the following Vehicle Information screen:

- Coolant temperature



This display shows the current engine coolant temperature.

Vehicle personalisation

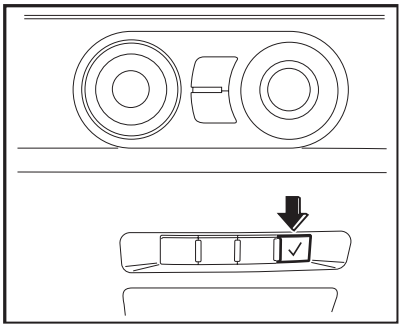


Some vehicle settings can be personalised by pressing ⊟.

Switch between menu items by repeatedly pressing ⊟ for a short time.

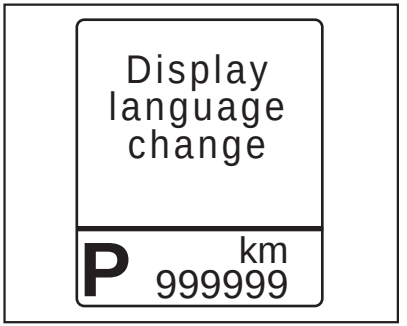
The menu items may be displayed in the following order:

- Display language change
- Keyless locking change
- Side blind zone alert change
- Rear cross traffic alert change
- Feature settings exit



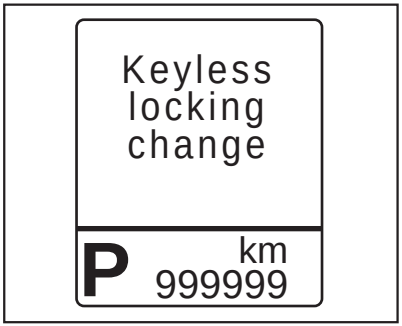
Press and hold ✓ for a short time to make a selection.

Language



1. Repeatedly press ⊟ until Display language change is displayed.
2. Press ✓.
3. Press ⊟ for a few seconds until the desired language is displayed.
4. Press ✓.

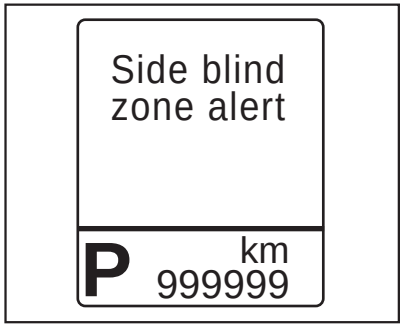
Keyless locking change



1. Repeatedly press ⊟ until Keyless locking change is displayed.
2. Press ✓.
   Each time you press ⊟ briefly the mode changes in the following order:
   Off → On→ No change → Off…
3. To select, press ✓ for a few seconds.

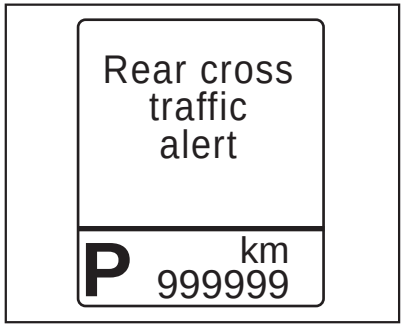
Keyless locking ⇨ 20

Side Blind Zone Alert (SBZA)



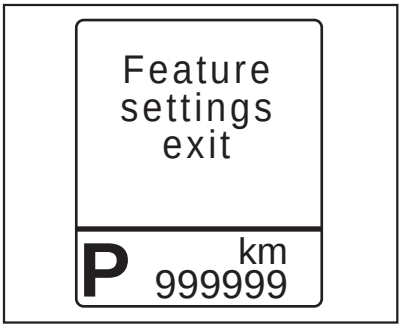
1. Repeatedly press ⊟ until Side blind zone alert is displayed.
2. Press ✓.
   Each time you press ⊟ briefly the mode changes in the following order:
   Off → On→ No change → Off…
3. To select, press ✓ for a few seconds.

Rear Cross Traffic Alert (RCTA)



1. Repeatedly press ⊟ until Rear cross traffic alert is displayed.
2. Press ✓.
   Each time you press ⊟ briefly the mode changes in the following order:
   Off → On→ No change → Off…
3. To select, press ✓ for a few seconds.

Feature settings exit



Repeatedly press ⎘ until Feature settings exit is displayed. Press and hold ✓ for a short time to return the previously displayed trip information screen.

Vehicle messages

Driver Information Centre (DIC) messages display when the status of the vehicle has changed and action may be needed to correct the condition. Multiple messages appear one after another.

Note
Messages displayed are dependent on vehicle variant. Not all messages may display. Messages in addition to the following may display.

Key and lock messages

Accessory Mode Active

This message displays when the accessory mode is active.

Electronic Key Not Detected

This message displays if the vehicle does not detect the presence of a keyless access transmitter when attempting to start the vehicle or a vehicle door has just closed.

Electronic Key Not Detected Re-start Allowed

This message displays when the keyless access transmitter is not detected inside the vehicle while turning the ignition off.

Rotate Control To Off Position

This message displays as a reminder to turn the ignition off.

Service Keyless Start System

This message displays when there is a problem with the keyless start system.

Brake system messages

Press Brake To Start Engine

This message displays when attempting to start the engine without pressing the brake pedal.

Engine exhaust filter messages

Action Required Cleaning Exhaust Filter Continue Driving

This message displays when the diesel particle filter (DPF) has started its cleaning cycle.

Action Required Cleaning Exhaust Filter
Drive Until Message Clears

These messages display if the diesel particle filter (DPF) cleaning cycle was not able to be completed after a number of attempts.

Diesel Particle Filter (DPF) (exhaust filter) ⇨ *173*

Transmission messages

Shift To Park

This message displays if the vehicle is not in P (Park) while the engine is being turned off.

Lighting

Exterior lighting 82
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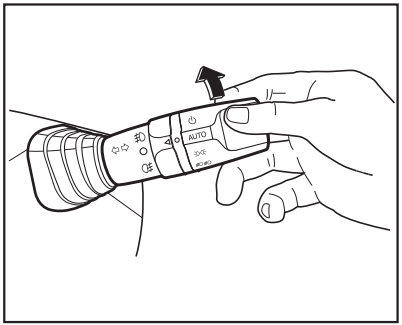
Interior lamps 86

Exterior lighting

Lamp control



⏻: All lamps are off.

The switch will return to the **AUTO** position once released.

To turn the automatic lamp control on, turn to ⏻ again.

AUTO: Parking lamps and headlamps will turn on automatically depending on the outside light.

: Parking lamps (DRL and tail lamps), number plate lamps and instrument panel lights illuminate.

The headlamps will not come on.

: Parking lamps, number plate lamps, instrument panel lights and headlamps illuminate.

Note

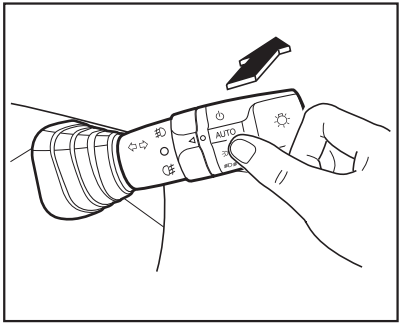
- When the windscreen wipers are on and the lamp control is in the **AUTO** position, the headlamps will turn on automatically after eight wipes.
- Do not cover the sunlight sensor.

Sunlight sensor ⇨ 129

Headlamps on reminder

If opening the driver's door with the ignition control knob in the lock position and the lamp control in or position, a warning chime will sound.

High/low beam

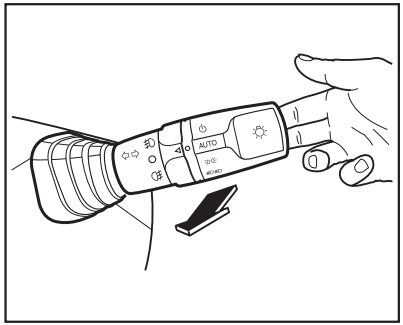


To activate high beam:

- With the headlamps on, push the lever towards the front of vehicle.
- The high beam indicator light illuminates on the instrument cluster.

To return to low beam:

- Pull the lever toward the rear of the vehicle.



To flash the high beam lamps:

- Pull the lever towards the rear of the vehicle.
- The high beam lamps can be flashed even if the headlamps are off.
- The lamps remain in high beam as long as the lever is held.

Daytime Running Lights (DRL)

Daytime running lights increase the visibility of the vehicle during daylight.

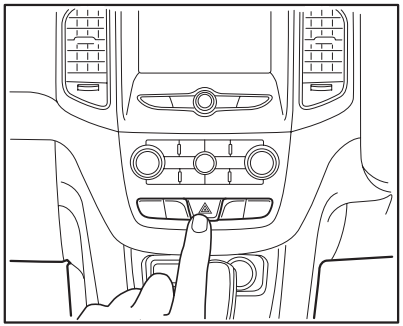
The DRL system operates in daylight when the following conditions are met:

- The engine is running.
- The sunlight sensor determines it is daytime.

Note

The tail lamps are not illuminated when the daytime running lights are on.

Hazard warning flasher



Use the hazard warning flasher if the vehicle becomes a traffic hazard, day or night.

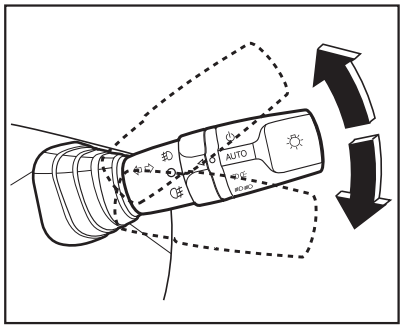
Press ⚠ to turn the hazard warning flasher on or off, when the ignition is in any position:

- Arrows on the instrument cluster flash when the lamps are in operation.
- All six external signal lamps flash continuously.

Note

- Avoid stopping on the roadway if possible.
- Using hazard warning flashers while the vehicle is moving, is illegal in some States.

Turn signals



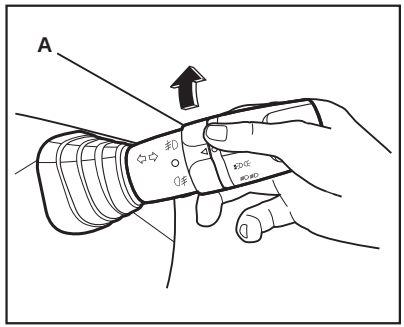
- Push the lever in the direction the steering wheel is turned.
- To signal a lane change, push the lever part way in the direction of the turn and hold it.

  The turn signals will flash three times.

  The lever will return to its original position when released.
- An arrow on the instrument cluster flashes when the lamps are in operation.

Front fog lamps

The vehicle may have front fog lamps.



The front fog lamps provide additional illumination to the sides of the road and improve visibility in fog or snow.

To switch the front fog lamps on:

1. Turn the lamp control to the ≡D or ≡D position and turn the ignition on.
2. Rotate the ring (A) to the ≡D position.

   The ring will return to its original position when released.

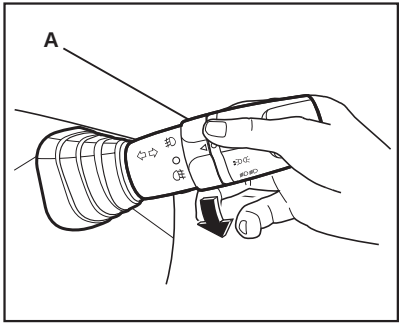
The fog lamp indicator illuminates on the instrument cluster.

To switch the front fog lamps off:

- Rotate the ring (A) to the position again.

Note
The fog lamps operate only when the parking lamps or headlamps and the ignition are on.

Rear fog lamps



The rear fog lamps provide extra illumination at the rear of the vehicle, increasing the visibility of the vehicle to other drivers in fog or snow.

To switch the rear fog lamps on:

1. Turn the lamp control to the position and the ignition on.
2. Rotate the ring (A) to the position.

   The ring will return to its original position when released.

The fog lamp indicator illuminates on the instrument cluster.

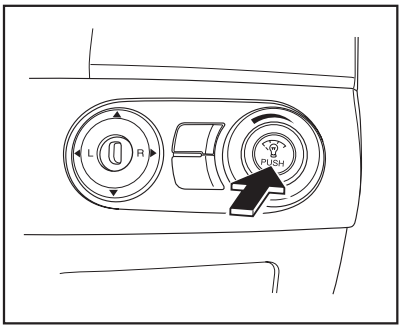
To switch the rear fog lamps off:

- Rotate the ring (A) to the position again.

Note
The fog lamps operate only when the parking lamps or headlamps and the ignition are on.

Interior lighting

Instrument panel illumination



To adjust the instrument lighting brightness:

1. Rotate the headlamp switch to ≫ or ≡D ≡D.
2. Press **PUSH** to extract the button.

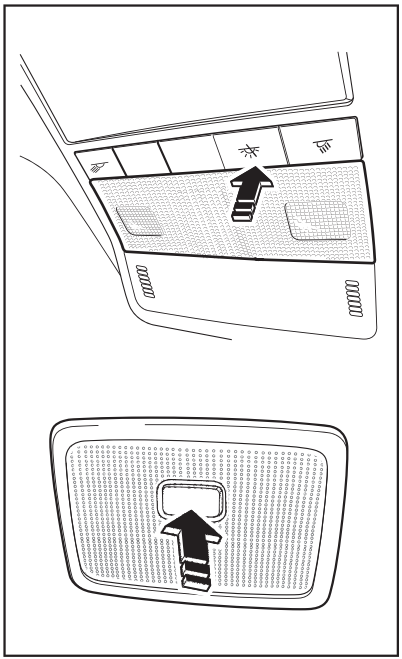
   To dim, rotate clockwise.

   To brighten, rotate anticlockwise.
3. Press **PUSH** to retract the button.

Note

When opening the driver's door or pressing on the keyless access transmitter, the instrument panel lights illuminate automatically. They remain illuminated for approximately 30 seconds or until the ignition control knob is turned to the accessories position.

Interior lamps

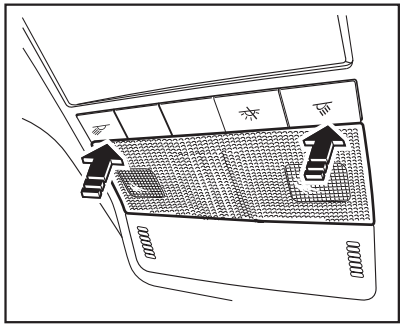


The interior lamps are located in the front and centre of the roof, and may be located in the rear of the roof.

- Press ✳.

  The lamp illuminates until ✳ is pressed again.
- The centre and rear lamps illuminate when a door or the tailgate is opened.
- If a door or the tailgate stays open, the lamps extinguish after approximately 10 minutes.
- When all doors and the tailgate are closed, the lamps gradually dim and switch off after approximately 10 seconds.

Dome lamps

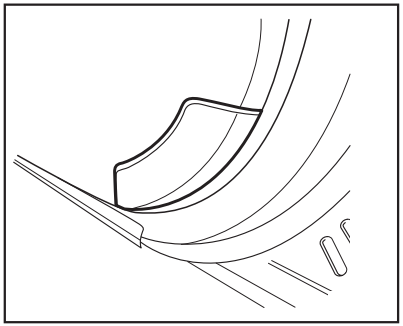


The dome lamps are located in the centre-front of the roof, between the sun visors.

1. Press ⇐ or ⇒.

   The passenger or driver front lamp illuminates.
2. Press ⇐ or ⇒ again to switch the lamp off.

Front door step lamp



- The front door step lamp illuminates when the front door is opened.

  The lamp remains on if the door is left open.
- When the front door is closed the lamp remains on for approximately 10 seconds, then dims to off.

Infotainment system

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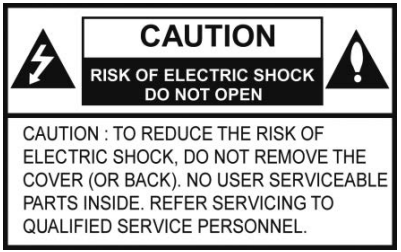
Introduction

Safety information


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user about the presence of uninsulated dangerous voltage within the system's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the system.

- Always operate the vehicle in a safe manner. Do not become distracted by the vehicle while driving and always be fully aware of all driving conditions. Do not change settings or any functions.

  Pull over in a safe and legal manner before attempting such operations. To promote safety, certain functions are disabled unless the parking brake is on.
- To reduce the risk of electric shock, do not remove the cover or back of this system. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.
- To reduce the risk of fire or electric shock, do not expose this system to water, rain, or moisture and do not place another electric device on LCD touch display.
- When driving, keep the volume of the unit low enough to allow you to hear sounds from outside the vehicle, such as emergency services, etc.
- Do not drop it and avoid heavy impacts at anytime.

⚠Warning

The infotainment system must be used so the vehicle can be driven safely at all times. Stop the vehicle in a safe location and operate the infotainment system while the vehicle is stationary.

For your safety, some features are disabled while the vehicle is in motion.

General information

The infotainment system provides infotainment in your car using the latest technology.

See your dealer to have the system or software updated and upgraded.

The radio can be easily used by registering up to 25 FM or AM stations with the PRESET button [1 to 5] per every 5 pages.

The infotainment system can play USB storage device or iPod/iPhone devices.

Using the phone projection function, you can operate specific applications on your smartphone via the infotainment system.

The Bluetooth phone connection function allows for the use of wireless hands-free phone calls, as well as a phone music player.

Connect a portable music player to the auxiliary sound input to enjoy the rich sound of the infotainment system.

- The 'Overview' section provides a simple overview of the infotainment system's functions and summary of all regulatory devices.
- The 'Operation' section explains the basic controls for the infotainment system.
- Design and specifications are subject to change without notice.
- Some of the radio features may be limited when ignition is off.

'Made for iPod' and 'Made for iPhone' refers to an electronic accessory has been designed to connect specifically to iPod or iPhone respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note the use of this accessory with iPod, iPhone may affect wireless performance.

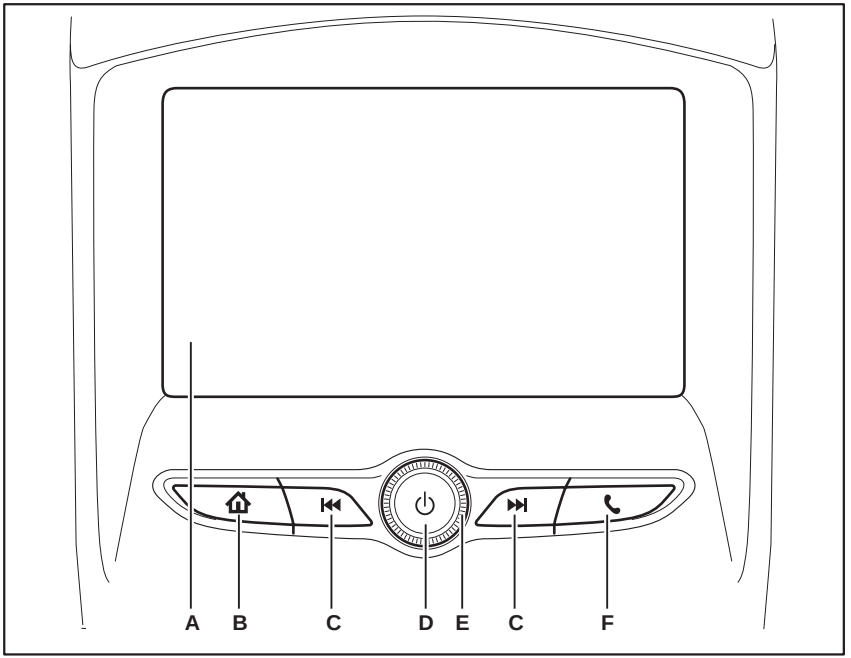
Theft-deterrent feature

The infotainment system has an electronic security system to prevent theft.

Therefore, the infotainment system will only function in the vehicle in which it was first installed, and cannot be used in another vehicle.

Overview

Control panel



A. Display:
Display for Play / Reception / Menu state and information.

B. Home:
Press ⌂ to enter the home menu.

C. Seek:
Press ⏮/ ⏭ to seek the station or media contents.

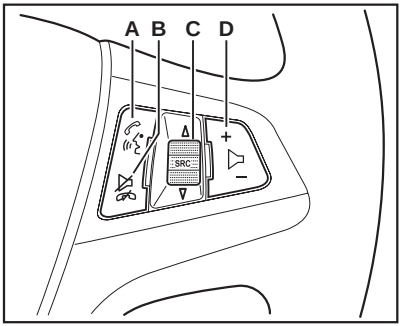
D. Power:
Press and hold ⏻ to turn the power on/off.

Press ⏻ to turn the mute function on/off.

E. Volume knob:
Rotate the volume knob to adjust the volume.

F. Phone:
Press ✆ to access the Phone screen.
If there is no connected phone, the display will show the Device Management Menu to allow you to connect a previously paired phone or establish a new Bluetooth enabled phone connection.

Steering wheel remote control



A. Call:
- **When there is no connected Bluetooth device on the infotainment system:**

  Executes the Bluetooth device connection.
- **When there is a connected Bluetooth device on the infotainment system:**

  Press to answer the call or enter the redial selection mode.

  If the connected phone supports Speech Recognition, press and hold to activate the phone's SR (speech recognition) mode.

B. Mute / hang up:
Press in any music play mode to mute or unmute the sound.

Press to reject incoming calls or to finish your current call or phone's SR mode.

C. SRC
Press **SRC** to change the source, e.g. AM, FM, USB, etc.

SEEK (▲ / ▼)
- **Push up or down:**
  - FM/AM mode: receives the previous or next preset station.
  - USB mode : plays the previous or next file.
  - iPod/iPhone mode: plays the previous or next song.
  - Bluetooth music mode: plays the previous or next music.
- **Push and hold up or down:**
  - FM/AM mode: sequentially searches the stations saved in PRESET.
  - Bluetooth, USB, iPod/ iPhone mode: quickly scans forward or backward while the button is pressed. Once released, returns to normal playback.

D. Volume

Press **+** to increase the volume.

Press **–** to decrease the volume.

Operation

System on / off

- Press ⏻ on the control panel to turn the power on. The last audio or movie will be executed.
- Press and hold ⏻ on the control panel to turn the power off. The time and temperature will be shown on the screen.

Note
The time and temperature are displayed when the ignition control knob is in the on position.

Turning on / off automatically

When the ignition control knob is in the accessories or on position, the infotainment system is turned on automatically.

When the ignition control knob is in the off position and the driver's door is opened, the infotainment system is turned off automatically.

Note
If ⏻ is pressed and held when the ignition control knob is in the off position, the infotainment system is turned on for approximately 10 minutes.

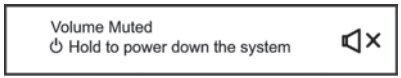
Volume control

Rotate the volume knob on the control panel to adjust the volume. The current sound volume is indicated.

- Using the steering wheel remote control, press + ▷ - to adjust the volume.
- Turning on the infotainment system will set the volume level to its previous selection (when it is less than the maximum starting volume).
- If the volume level is louder than maximum starting volume level when the infotainment system is turned on, the infotainment system is adjusted automatically to maximum starting volume level.

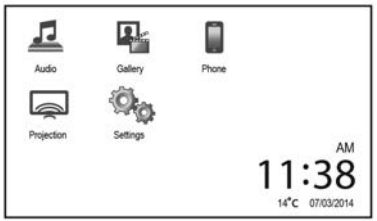
Mute

Press ⏻ on the control panel to turn the mute function on and off.



Using home menu

1. Press ⌂ on the control panel.
   The Home menu may vary depending on the vehicle option.



2. Touch the desired menu icon.

- Touch **Audio** to select AM/ FM/ USB/ Bluetooth music play or auxiliary sound (AUX) input.
- Touch **Gallery** to view pictures or movies.
  Refer to 'Before using Picture system' or 'Before using Movie system' for a list of supported file formats *Gallery* ⇨ *110*.
- Touch **Phone** to activate phone features (if connected).
- Touch **Projection** to activate Android Auto or Apple CarPlay. If a smartphone is already connected to the USB port, Projection will be replaced with **Android Auto** or **Apple CarPlay** icons.
- Touch **Settings** to enter the system settings menu.

Managing home page icons

1. Touch and hold any of the Home Page icons to enter edit mode.
2. Continue holding the icon and drag it to the desired position.
3. Release your finger to drop the icon in the desired position.
4. To move an application to another page, drag the icon to the edge of the screen toward the desired page.
5. Continue dragging and dropping application icons as desired.
6. Press ⌂ to exit edit mode.

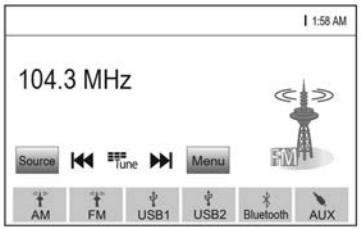
Note

- The edit mode exits after 30 seconds of inactivity.
- The maximum number of pages in edit mode is three.

Selecting functions

Audio

1. Press ⌂ on the control panel.
2. Touch **Audio** on the home menu.
3. Touch **Source** on the screen.



- Touch **AM** to select AM radio.
- Touch **FM** to select FM radio.
- Touch **USB** to select USB music.

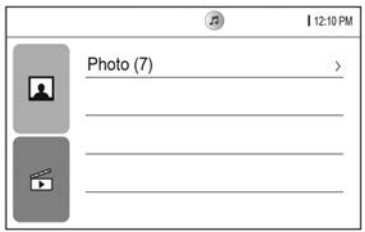
  If an iPod is connected to a USB port, USB changes to **iPod**.
- Touch **Bluetooth** to select Bluetooth music.
- Touch **AUX** to select auxiliary sound (AUX) input.

Note

- Press ⌂ to return to the Home menu.
- If the playback source (USB/ AUX/ Bluetooth) is not connected to the infotainment system, this function is not available.
- Audio source availability may vary depending on the region and vehicle model.

Gallery

1. Press ⌂ on the control panel.
2. Touch **Gallery** on the home menu.



Touch to view picture files contained in the USB storage device.

Touch to view movie files contained in the USB storage device.

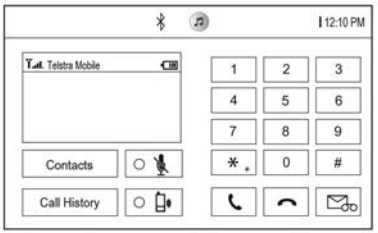
Note

- Press ⌂ to return to the Home menu.
- If the playback source (USB (picture) / USB (movie)) is not connected to the infotainment system, this function is not available.

Phone

To operate Bluetooth hands-free function, connect the Bluetooth phone to the infotainment system.

1. Press ⌂ on the control panel.
2. Touch **Phone** on the home menu. Alternately, press ✆ on the control panel or steering wheel control switch (if available).



Note

- Press ⌂ to return to the Home menu.
- If your Bluetooth phone is not connected to the infotainment system, this function is not available.

Pairing and connecting Bluetooth ⇨ *114*

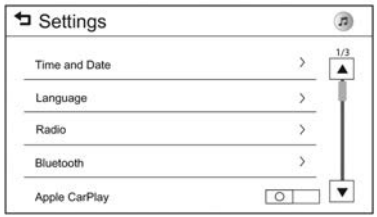
Projection

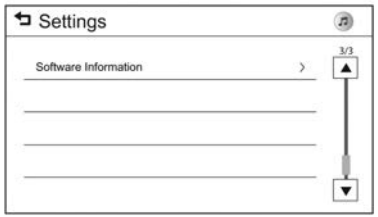
The phone projection applications Android Auto and Apple CarPlay display selected apps from your smartphone on the infotainment screen and allow their operation directly via the infotainment controls.

Smartphone applications ⇨ *119*

Settings

1. Press ⌂ on the control panel.
2. Touch **Settings** on the home menu.





Note

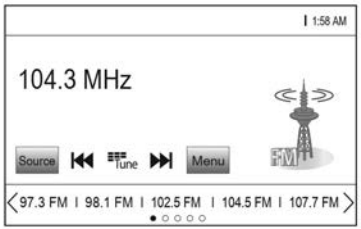
- The On setting is displayed as:
- The Off setting is displayed as:
- Press ⌂ to return to the Home menu.

Audio

AM-FM radio

Listening to FM/AM radio

1. Press ⌂ on the control panel.
2. Touch **Audio** on the home menu.
3. Touch **Source** on the screen.
4. Touch **FM** or **AM** on the screen. The FM or AM radio band of the most recent listened station is displayed.



Note

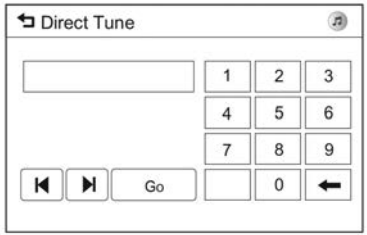
Press ⌂ to return to the Home menu.

Searching for broadcasting automatically

Press ⏮ / ⏭ on the control panel to automatically search for available stations with good reception.

Searching for broadcasting directly

1. Touch Tune on the screen.
2. Touch the desired frequency.
3. Touch **Go**.



Note

Touching '.' between digits is not necessary. The radio will add it automatically at the correct location.

Searching for broadcasting by using the preset

Saving preset

1. Select the band (FM or AM) to store a station into.
2. Select the desired station.
3. Touch < / > to select the desired page of saved favourites.

4. Touch and hold down any Preset to save the current radio station to that button of the selected favourites page.
   - Up to 5 favourites pages can be saved, and each page can store up to five radio stations.

Listening to Preset directly

1. Repeatedly touch < / > to select the desired page of saved favourites.
2. Touch the desired Preset to directly listen to the radio station saved to that button.

Using the FM/AM radio menu

General operation of the menu

1. Select the desired band (FM or AM).
2. Touch **Menu** on the FM/AM radio screen.

3. Touch the desired menu to select the relevant item or to display the item's detailed menu.
4. Touch ⮌ to return to the previous menu.

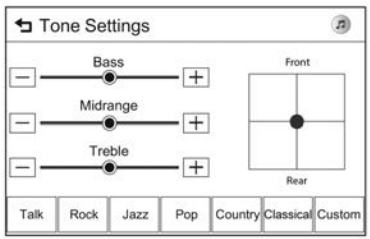
Station list

1. From the FM/AM menu, touch the **Station List** to display the FM/AM station list.
2. Scroll through the list using ▲ / ▼. Tune to the desired station by selecting it.

Tone settings

From Tone Settings menu, sound features can be set.

1. From the FM/AM menu, touch the **Tone settings** to enter the sound setup mode. The tone settings menu is displayed.



- Touch -/+ to select the desired sound style manually.
- Bass: Adjust the bass level from -12 to +12.
- Mid (Midrange): Adjust the midrange level from -12 to +12.
- Treble: Adjust the treble level from -12 to +12.
- Fade: Adjust the front/rear speaker balance by dragging the round cursor up or down the vehicle interior image.
- Balance: Adjust the left/right speaker balance by dragging the round cursor left or right the vehicle interior image.
- EQ (Equaliser): Select or turn off the sound style. (Talk, Rock, Jazz, Pop, Country, Classical, Custom)

2. Touch ⮌.

Auto volume

When Auto Volume is turned on, the volume will automatically be controlled according to the vehicle speed to offset the noise from the engine and tyres.

1. From the FM/AM menu, touch the **Auto Volume**.
2. Select the desired option. (Off/ Low/ Medium-Low/ Medium/ Medium-High/ High)

Update station list

1. From the FM/AM menu, touch the **Update Station List** to display the update FM/AM station list. The FM/AM broadcasting list update will proceed.

2. During the FM/AM broadcasting list update, touch **Cancel** to stop it from saving changes.

RDS

Setting the RDS function in the FM radio.

1. From the FM/AM menu, find RDS.
2. Select on or off.

Antennas

Fixed mast antenna

To remove the roof antenna, rotate it counterclockwise. To install the roof antenna, rotate it clockwise.

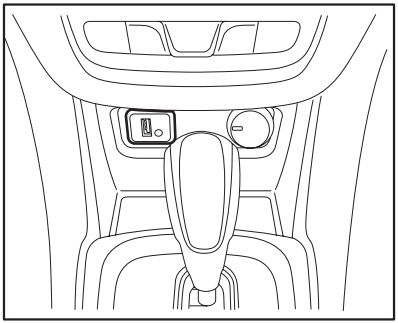
Caution
To avoid damage, remove the antenna before entering an automatic car wash or a place with a low ceiling height.

Install the antenna fully tightened and adjusted to the upright position to ensure proper reception.

Multi-band antenna

The multi-band antenna on the roof of the vehicle is used for the AM-FM radio. Keep the antenna clear of obstructions for clear reception.

USB port



The infotainment system can play the music files contained in a USB storage device, a device that supports Media Transfer Protocol (MTP) or supported iPods/iPhones.

Note
The vehicle's USB port may have one or two USB outlets.

Before using audio system

Supported audio file formats:

- MP3 (MPEG-1 Layer 3, MPEG-2 Layer 3).

  Constant Bit Rate (CBR) between 8 and 320 kbps.

  Variable Bit Rate (VBR).

  Sampling frequencies of 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, and 48 kHz.
- Windows Media Audio Windows Media Audio 10.

  CBR between 32 and 768 kbps.

  VBR (Standard), Professional, Lossless, or higher according to Microsoft specifications.

  Sampling frequencies of 8, 12, 16, 22, 32, 44.1, and 48 kHz.
- AAC (MPEG-4 AAC, Low Complexity Profile) and AAC+.

  CBR between 8 and 320 kbps.
- OGG Vorbis.
- Waveform (WAV – PCM Windows format).
- Audio Interchange File Format (AIFF).
- 3GPP (Generally used for mobile devices).
- Audio Books (MP3, WMA, AAC, AA).

Cautions for using USB storage device and iPod/iPhone

- Operation cannot be guaranteed if a HDD built-in USB mass storage device or a CF or SD memory card is connected by using a USB adaptor. Use a USB or flash memory type storage device.
- Use caution to avoid static electricity discharge when connecting or disconnecting the USB. If connection and disconnection are repeated many times within a short time, a problem may result.
- Operation is not guaranteed if the connecting terminal of the USB device is not metal.
- Connection with i-Stick Type USB storage devices may fail due to vehicle vibration, so their operation cannot be guaranteed.
- Be careful not to touch the USB connecting terminal with an object or any part of your body.
- USB storage devices can only be recognised when it is formatted in FAT16/32, NTFS, HFS+. exFAT and other file systems cannot be recognised.
- According to the type and capacity of the USB storage device and the type of the stored file, the time it takes to recognise the files may differ. This is not a problem with the system in this case, wait for the files to be processed.
- Files in some USB storage devices may not be recognised due to compatibility problems.
- Do not disconnect the USB storage device while it is being played. This may cause damage to the system or the performance of the USB device.
- An external USB hub may require two USB devices to be used at the same time depending on vehicle variant.
- Disconnect the connected USB storage device when the vehicle ignition is turned off. If the ignition is turned on while the USB storage device is connected, the USB storage device may be damaged or may not operate normally in some cases.
- A USB storage device can only be connected to this system for the purpose of playing music/ movie, viewing photo files, or upgrading.
- The USB terminal should not be used to charge USB accessory equipment since the heat generation using the USB terminal may cause performance issues or damage to the device.
- When a USB device contains more than one partition, only the music files from the top-level partition can be played. Store the music files in the top-level.

- Music files to which DRM (Digital Right Management) is applied cannot be played.
- This system can support USB storage devices with a limit of 5000 files (music, photo and video), and 15 stages of folder structure. Normal usage cannot be guaranteed for storage devices that exceed this limit. An iPod/iPhone can play all music files supported. But the music file lists are displayed up to 5000 files on the screen in alphabetical order.
- Some iPod/iPhone models may not support the connectivity or functionality of this system.
- Only connect an iPod/iPhone with connection cables supported by iPod/iPhone devices. Other connection cables may not operate correctly.
- When an iPod/iPhone is not being used, disconnect it from the vehicle with the car ignition turned off.
- We don't recommend using a USB hub with two iPhone/iPod devices.
- When an iPod/iPhone is connected to the USB port by an iPod/iPhone cable, Bluetooth music is not supported.
- Connect an iPod/iPhone to the USB port by using an iPod/iPhone cable to play the music files of an iPod/iPhone. When an iPod/iPhone is connected to the AUX input terminal, the music files are played, but not controlled by MyLink.
- iPod/iPhone movie file playback is not supported.
- The playback functions and the information display items of the iPod/iPhone used with this infotainment system may be different from the iPod/iPhone in terms of play order, method, and the information displayed.
- Refer to the following table for the classification items related to the search function provided by an iPod/iPhone.

	Step 1	Step 2
Playlists	Playlists	Songs
Artists	Albums / All song	Songs
Albums	Albums	Songs
Songs	Songs	
Genres	Albums / All song	Songs
Composer	Albums/ All song	Songs
Audiobooks	Songs	
PodCasts	PodCast	Episode

USB player

Playing USB storage device music files

Connect the USB storage device containing the music files to the USB port.

- Once the infotainment system finishes reading the information on the USB storage device, it will be automatically played. (If you set the USB Auto Launch to off in Settings, it will not be automatically played.)
- If a non-readable USB storage device is connected, then an error message will appear and the infotainment system will be automatically switched to the previous audio function.

Note

If the USB storage device is already connected, press ⌂ > **Audio** > **Source** > **USB** to play the USB music files.

Ending the USB music files playback

1. Touch **Source**.
2. Select another function by touching the **AM, FM, AUX** or **Bluetooth**.

Note

Before removing the USB storage device, select another function, and then remove the USB storage device.

Pause

Touch **II** during playback.

Touch ▶ to resume playback.

Playing the next file

Touch ⏭ to play the next file.

Playing the previous file

Touch ⏮ within 5 seconds of playback time to play the previous file.

Returning to the beginning of the current file

Touch ⏮ after 5 seconds of playback time.

Scanning forward or backward

Hold down ⏮ / ⏭ during playback to rewind or fast-forward. Release ⏮ / ⏭ to resume playback at normal speed.

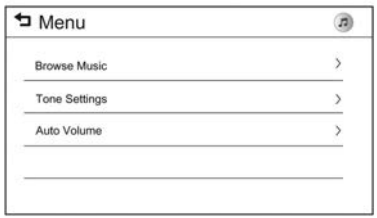
Playing file randomly

Touch ⤮ during playback.

- ⤮ : Plays all files randomly.
- ⤮ : Returns to normal playback.

General operation of the USB music menu

1. Touch **Menu** on the USB music screen.



2. Touch the desired menu to select the relevant item or to display the item's detailed menu.
3. Touch ⮌ to return to the previous menu.

Browse music

1. From the USB music menu, touch **Browse Music**.

   The number of relevant songs is displayed by all Playlists/ Artists/ Albums/ Songs/ Genres/ More.
2. Touch the desired music.

Note
The infotainment system recognises playlist files by the case-sensitive extensions '.asx', '.m3u', '.pls', '.wpl', 'b4s', and '.xspf'.

Tone settings

From the USB menu, sound features can be setup. *Tone settings* ⇨ *98*

Auto volume

Volume will be automatically controlled. *Auto volume* ⇨ *99*

MTP (Media Transfer Protocol) player

Playing music from a supported MTP device

Connect the supported MTP device containing music files to the USB port.

- Once the infotainment system finishes reading the information on the device that supports MTP (Media Transfer Protocol), it will be automatically played. (If you set the USB Auto Launch to off in Settings, it will not be automatically played.)
- If a non-readable device that supports MTP (Media Transfer Protocol) is connected, then an error message will appear and the infotainment system will be automatically switched to the previous audio function.

Note

- Depending on the connected device, some files may not be played.
- File loading may take a few minutes depending on the type of the phone or the number of file/ folder stored in the phone.
- When you connect the MTP device, the infotainment system scans audio files first, and then scans picture and movie files. While scanning picture or movie files, these files may not be available until loading indicator on the audio screen disappears even if the audio file in MTP device is playing.
- If you connect the MTP device that has external memory, it may be recognised as USB1/USB2.
- Other operation is same as the USB player.
  USB player ⇨ *103*
- To operate MTP connection the user may be required to change the USB connection setting to MTP on the device.

iPod/iPhone player

Playing iPod/iPhone music files

Connect the iPod/iPhone containing the music files to the USB port.

- Once the infotainment system finishes reading the information on the iPod/iPhone, it will be automatically played from the previously played point.
  If you set the USB Auto Launch to off in Settings, it will not be automatically played.

Note

If the iPod/iPhone is already connected, press ⌂ **> Audio > Source > iPod** to play the iPod/ iPhone.

Ending the iPod/iPhone playback

1. Touch **Source**.
2. Select another function by touching the **AM, FM, AUX** or **Bluetooth**.

Note

Before removing the iPod/iPhone, select another function, and then remove the iPod/iPhone.

Pause

Touch **II** during playback.

Touch ▶ to resume playback.

Playing the next song

Touch ⏭ to play the next song.

Playing the previous song

Touch ⏮ within 2 seconds of playback time to play the previous song.

Returning to the beginning of the current song

Touch ⏮ after 2 seconds of playback time.

Scanning forward or backward

Hold down ⏮ / ⏭ during playback to rewind or fast-forward. Release ⏮ / ⏭ to resume playback at normal speed.

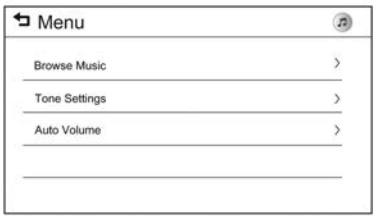
Playing file randomly

Touch ⤮ during playback.

- ⤮ : Plays all files randomly.
- ⤭ : Returns to normal playback.

General operation of the iPod music menu

1. Touch **Menu** on the iPod music screen.



2. Touch the desired menu to select the relevant item or to display the item's detailed menu.
3. Touch ⮌ to return to the previous menu.

Browse music

1. From the iPod music menu, touch **Browse Music**.

   The number of relevant songs is displayed by all Playlists/ Artists/ Albums/ Songs/ Genres/ More.
2. Touch the desired music.

Tone settings

From the iPod menu, sound features can be setup. *Tone settings ⇨ 98*

Auto volume

Volume will be automatically controlled. *Auto volume ⇨ 99*

Auxiliary devices

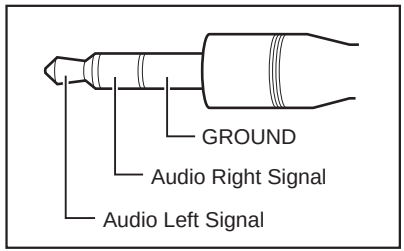
The infotainment system can play music on an auxiliary device when connected by an auxiliary cable.

Playing music on auxiliary device

Connect the auxiliary device containing the music source to the AUX input terminal. Once the infotainment system finishes reading the information on the auxiliary device, it will be automatically played.

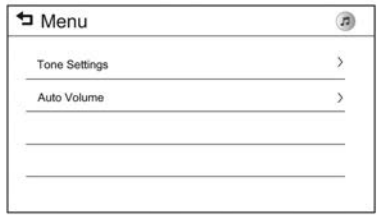
Note

- If the auxiliary device is already connected, press ⌂ **> Audio > Source > AUX** to play music source of auxiliary device.
- Auxiliary cable type: 3.5 mm, three-pole auxiliary cable for audio playback.



General operation of the AUX music menu

1. Touch **Menu** on the AUX music screen.



2. Touch the desired menu to select the relevant item or to display the item's detailed menu.
3. Touch ⮌ to return to the previous menu.

Tone settings

From the AUX menu, sound features can be setup. *Tone settings* ⇨ *98*

Auto volume

Volume will be automatically controlled. *Auto volume* ⇨ *99*

Bluetooth music

Music may be played from a paired Bluetooth device that supports Bluetooth audio. Refer to the 'Phone' section for help pairing a device.

Before playing Bluetooth music

- The supported profile: A2DP, AVRCP.
- Bluetooth music may not be supported depending on the mobile phone or Bluetooth device.
- From the mobile phone or Bluetooth device, find the Bluetooth device type to set/ connect the item as a stereo headset.
- A musical note icon (♪) will appear on the screen if the Bluetooth device is successfully connected.
- The sound played by the Bluetooth device is delivered through the infotainment system.
- Bluetooth music can be played only when a Bluetooth device has been connected.
- If the Bluetooth is disconnected while playing phone music, the music is discontinued. The audio streaming function may not be supported in some Bluetooth phones. Only one function can be used at a time between the Bluetooth hands-free or Phone music function. For example, if you change to the Bluetooth hands-free while playing Phone music, the music is discontinued.
- For Bluetooth music to play, the music must at least be played once from the music player mode of the mobile phone or Bluetooth device after connecting as a stereo headset. After being played at least once, the music player will be automatically played upon entering play mode, and it will be automatically stopped when the music player mode ends.

  If the mobile phone or Bluetooth device is not in the waiting screen mode, some devices may not automatically play in Bluetooth music play mode.

Playing Bluetooth music

1. Press ⌂ on the control panel.
2. Touch **Audio** on the home menu.
3. Touch **Source** on the screen.
4. Touch **Bluetooth** to select the connected Bluetooth music play mode.

Note

If the Bluetooth device is not connected, then this function cannot be selected.

Pause

Touch **II** during playback. Touch ▶ again to resume playback.

Playing the next music

Touch ⏭ to play the next music.

Playing the previous music

Touch ⏮ within 2 seconds of playback time to play the previous music.

Returning to the beginning of the current music

Touch ⏮ after 2 seconds of playback time.

Search

Hold down ⏮ or ⏭ to fast forward or rewind.

Playing music randomly

Touch ⤮ during playback.

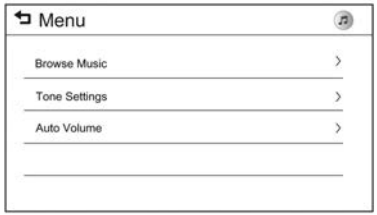
- ⤮ : Plays all files randomly.
- ⤮ : Returns to normal playback.

Note

Some functions may not be supported depending on the mobile phone.

General operation of the Bluetooth music menu

1. Touch **Menu** on the Bluetooth music screen.



2. Touch the desired menu to select the relevant item or to display the item's detailed menu.
3. Touch ⮌ to return to the previous menu.

Browse music

1. From the Bluetooth music menu, touch **Browse Music**. The number of relevant songs is displayed by all Playlists/ Artists/ Albums/ Songs/ Genres/ More. The items may vary depending on the mobile phone.
2. Touch the desired music.

Note

This function may not be supported depending on the mobile phone.

Tone settings

From the Bluetooth music menu, sound features can be setup.

Tone settings ⇨ 98

Auto volume

Volume will be automatically controlled.

Auto volume ⇨ 99

Caution on playing Bluetooth music:

- Do not change the track too quickly when playing Bluetooth music.
- It takes some time to transmit data from the mobile phone to the infotainment system. The infotainment system outputs the audio from the mobile phone or Bluetooth device as it is transmitted.
- If the mobile phone or Bluetooth device is not in the idle screen mode, it may not automatically play even though it is in Bluetooth music play mode.
- The infotainment system transmits the order to play from the mobile phone in the Bluetooth music play mode. If this is done in a different mode, then the device transmits the order to stop. Depending on the mobile phone's options, this order to play/stop may some take time to activate.
- If Bluetooth music playback is not functioning, then check to see if the mobile phone is in the idle screen mode.
- Sometimes, sounds may be cut off during the Bluetooth music playback.

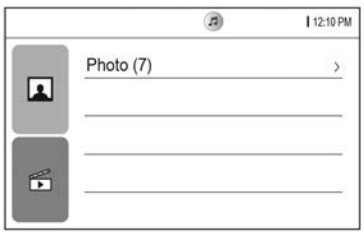
Gallery

Note

Picture and movie function is not supported for iPhone.

Gallery (pictures)

The infotainment system can view picture files contained in the USB storage device.



Before using picture system

Caution on using picture files

- Only the following file extensions are supported: '*.jpg', '*.bmp', '*.png', '*.gif' (animated gif is not supported).
- Some files may not operate due to a different format or the condition of the file.

Viewing a picture

1. Connect the USB storage device containing the picture files to the USB port.

   The picture will be displayed.

2. Touch the screen to hide the control bar. Touch the screen again to show the control bar again, touch ⮌ to return to the previous screen.

Note

- If the USB storage device is already connected, press ⌂ > **Gallery** > 👤 to view the picture files.
- For your safety, some features are disabled while your vehicle is in motion.

Viewing slide show

From the picture screen, touch .

- The slideshow will be played.
- Touch the screen to cancel the slide show during slide show playback.

Viewing a previous or next picture

From the picture screen, touch < or > to view previous or next picture.

Rotating a picture

From the picture screen, touch to rotate the picture.

Enlarging a picture

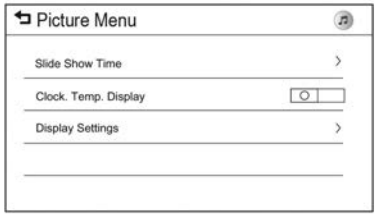
From the picture screen, touch to enlarge the picture.

Viewing to full screen

From the picture screen, touch **Fit** to view to full screen. Touch **Fit** again to return to the previous screen.

Using the USB picture menu

1. From the picture screen, touch **MENU**. The USB picture menu is displayed.



2. Touch the desired menu.

- [Slide Show Time]: Select the slide show interval.
- [Clock Temp Display]: To display the clock and temperature on the full screen, select On or Off.
- [Display Settings]: Adjust the Brightness and Contrast.

3. After the setting is complete, touch ⮌.

Gallery (movies)

The infotainment system can play movie files contained in the USB storage device.

Before using movie system

The following movie file formats are supported:

- Available resolution: Up to 1280 x 720 pixels. (1280 x 720 is supported)
- Frame rate: less than 30 fps.
- Playable movie file: '.mp4', '.avi' The playable movie file may not be played according to the codec format.
- Playable Codec format:

  H.264/MPEG-4 AVC.
- Playable Audio format: 'MP3', 'AC3', 'AAC', 'WMA'.
- Max Audio Bitrate:

  - MP3: 320 kbps.
  - WMA: 768 kbps.
  - AC3: 640 kbps.
  - AAC: 320 kbps.
- Movie files to which DRM (Digital Right Management) is applied may not be played.

Playing a movie file

1. Connect the USB storage device containing the movie files to the USB port.
2. Press ⌂ **> Gallery >** and select the desired movie file. The movie will be played.

3. Touch the screen to hide control bar. Touch the screen again to show the control bar again, touch ⮌ to return to the previous screen.

Pause

Touch **II** during playback.

Touch ▶ to resume playback.

Playing the next movie

Touch ⏭ to play the next movie.

Playing the previous movie

Touch ⏮ within 5 seconds of playback time to play the previous movie.

Returning to the beginning of the current movie

Touch ⏮ after 5 seconds of playback time.

Scanning forward or backward

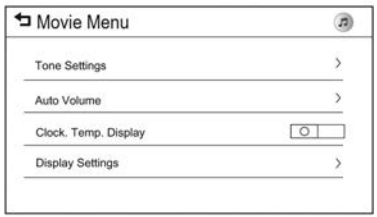
Hold down ⏮ / ⏭ during playback to rewind or fast-forward. Release ⏮ / ⏭ to resume playback at normal speed.

Viewing to full screen

From the movie screen, touch **Fit** to view to full screen. Touch **Fit** again to return to the previous screen.

Using the USB movie menu

1. From the movie screen, touch **Menu**. The USB movie menu is displayed.



2. Touch the desired menu.

- [Tone Settings]: Set the sound feature.

  Tone settings ⇨ 98

- [Auto Volume]: Volume will be automatically controlled.

  Auto volume ⇨ 99

- [Clock Temp Display]: To display the clock and temperature on the full screen, select On or Off.
- [Display Settings]: Adjust the Brightness and Contrast.

3. After the setting is complete, touch ⮌.

Phone

Note

Limited to models supporting the Bluetooth connection.

Bluetooth

Understanding Bluetooth wireless technology

Bluetooth wireless technology establishes a wireless link between two devices supported with Bluetooth. After the initial pairing, the two devices can connect automatically each time you turn them on. Bluetooth allows wireless transmission of information among Bluetooth phones, PDAs, or other devices within close ranges by using 2.45 GHz frequency short-distance wireless telecommunication technologies. Within this vehicle, users can make hands-free calls, transmit hands-free data, and play audio streaming files by connecting a mobile phone with the system.

Note

- There may be restrictions on using Bluetooth wireless technology in some locations.
- Due to the variety of Bluetooth devices and their firmware versions, your device may respond differently when performing over Bluetooth.
- Any inquiries regarding your phone's Bluetooth functionality, refer to the device manual.
- Multi-pairing is not supported.

Pairing and connecting Bluetooth

To use the Bluetooth feature, make sure the Bluetooth on your device is turned on and your device should be discoverable mode. Refer to user guide of Bluetooth device.

When there is no paired device in the infotainment system

1. Press ⌂ on the control panel.
2. Touch **Phone** on the home menu.

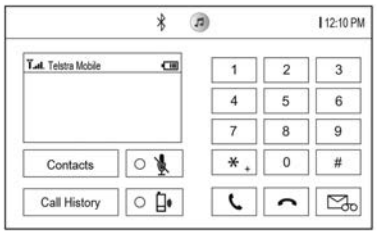
   Or press ✆ on the control panel.

   Or press ✆ on the steering wheel remote control.
3. Touch **Search Device** to search for Bluetooth phones.
4. Touch the desired device to pair on the searched list screen.

   (1) If the SSP (Secure Simple Pairing) is supported, touch **Yes** or **Pair** on the pop-up screen of the Bluetooth device and infotainment system.

(2) If the SSP is not supported, input the PIN code on your Bluetooth device as shown on the screen.

5. When your Bluetooth device and infotainment system is successfully paired, the 'Phone' screen is displayed on the infotainment system.



If the connection fails, failure message is displayed on the infotainment system.

When there is a paired device in the infotainment system

1. Press ⌂ on the control panel.
2. Touch **Settings** on the home menu.
3. Touch **Bluetooth > Device Management**.
4. Touch the device you wish to pair from the 'Device Management' screen, and then follow step 6. To add a device not in the list touch **Search Device**.
5. Touch the desired device to pair on the searched list screen.
   (1) If the SSP is supported, touch **Yes** or **Pair** on the pop-up screen of the your Bluetooth device and infotainment system.
   (2) If the SSP is not supported, input the PIN code on your Bluetooth device as shown on the screen.
6. When the Bluetooth device and the infotainment system is successfully paired, ♪/✆ is displayed on the 'Device Management' screen.

- The connected phone is highlighted by ✆ mark.
- The ♪/✆ mark indicates the hands-free and phone music function are enabled.
- The ✆ mark indicates only hands-free function is enabled.
- The ♪ mark indicates only Bluetooth music is enabled.

Note

- The phone book is automatically downloaded when your Bluetooth phone is successfully paired with the infotainment system, if supported by the phone.
  If it is not automatically downloaded, proceed with the phone book download on your phone.

It is recommended that you always accept the phone book request during the initial pairing of the phone.

- The infotainment system can register up to ten Bluetooth devices.
- If the connection fails, a failure message is displayed on the infotainment system.
- If the phone book lists are more than 5000, the infotainment system does not guarantee proper listing of remaining phone book entries.
- Depending on the phone book entries, pairing time may be different.

Checking the connected Bluetooth device

1. Press ⌂ on the control panel.
2. Touch **Settings** on the home menu.
3. Touch **Bluetooth > Device Management.**
4. The connected device will be shown.

Disconnecting the Bluetooth device

1. Press ⌂ on the control panel.
2. Touch **Settings** on the home menu.
3. Touch **Bluetooth > Device Management**.
4. Touch the name of the device you wish to disconnect.
5. Touch **Disconnect**.

Connecting the Bluetooth device

1. Press ⌂ on the control panel.
2. Touch **Settings** on the home menu.
3. Touch **Bluetooth > Device Management**.
4. Touch the device you wish to connect.

Deleting the Bluetooth device

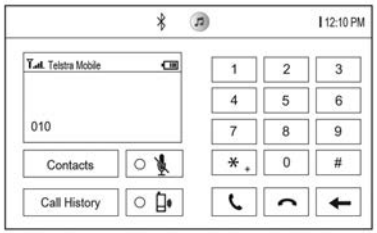
If you no longer need to use the Bluetooth device, you can delete it.

1. Press ⌂ on the control panel.
2. Touch **Settings** on the home menu.
3. Touch **Bluetooth > Device Management**.
4. Touch 🗑.
5. Touch **Delete**.

Hands-free phone

Making a call by entering a phone number

1. Enter the phone number using the keypad on the 'Phone' screen.



2. Touch ✆ on the screen, press on the steering wheel remote control or press ✆ on the control panel.

Note

If you touch the wrong number, touch ⬅ to delete the inputted number one digit at a time or touch and hold ⬅ to delete all the inputted numbers.

Switching call to the mobile phone (Private mode)

1. If you want to switch the call to the mobile phone instead of the car hands-free, touch .
2. If you want to switch the call back to the hands-free, touch again.

   The call is switched to the car hands-free.

Switching the microphone on/off

You can switch the microphone on/off by touching .

Calling by Re-dial

From the steering wheel remote control, press or touch ✆ on the 'Phone' screen.

Note

Redialing is not possible when there is no call history.

Taking calls

1. When a phone call comes through the connected Bluetooth mobile phone, the playing track will be paused and the phone will ring with the relevant information displayed.
2. To talk on the phone, press on the steering wheel remote control or touch ✆ on the screen.
   To reject the call, press the on the steering wheel remote control or touch on the screen.

Using the contacts menu

1. Touch **Contacts** on the 'Phone' screen.
2. Use ▲ / ▼ to scroll through the list.
3. Select the Phone book entry you want to call.
4. If a contact has two or more phone numbers, touch a number to call.

Searching for contacts entries

1. Touch **Contacts** on the 'Phone' screen.
2. Touch on the 'Contacts' screen.
3. Use the keypad to input the name you want to search.

   Searching for the name ⇨ 118
4. Select the Phone book entry you want to call.

Searching for the name

For example, when the user searches for a name, such as 'alex'.

1. Touch **abc** to select the first character.

   The names included 'a', 'b', or 'c' characters are displayed on the 'Contacts' screen.
2. Touch **jkl** to select the second character.

   The names included 'j', 'k', or 'l' characters are displayed on the 'Contacts' screen.
3. Touch **def** to select the third character.

   The names included 'd', 'e', or 'f' characters are displayed on the 'Contacts' screen.
4. Touch **wxyz** to select the fourth character.

   The names included 'w', 'x', 'y', or 'z' characters are displayed on the 'Contacts' screen.
5. As more letters of the name are entered, the list of possible names is shortened.

Making a call from Call history

1. Touch **Call History** on the 'Phone' screen.
2. Touch , , or .

   : All call history

   : Dialed call

   : Missed call

   : Received call
3. Select the contact you want to call.

Making a call with speed dial numbers

Touch and hold speed dial number using the keypad on the 'Phone' screen.

Only speed dial numbers already stored on the mobile phone can be used for speed dial calls. Up to 2-digit speed dial numbers are supported.

For 2-digit speed dial numbers, touch and hold the 2nd digit to make a call to the speed dial number.

Voice mail

The default voice mail number is the phone number of the currently connected phone. The voice mail number can be changed in Bluetooth settings.

To dial a voice mail number:

1. Press the Phone screen button.
2. Select Voice Mail.
3. Select Call.

Smartphone applications

Android Auto, Apple CarPlay

The phone projection applications Android Auto and Apple CarPlay display selected apps from your smartphone on the infotainment screen and allow their operation directly via the infotainment controls.

Check with the device's manufacturer if this function is compatible with your smartphone and if this application is available in your area.

Downloading the App

Depending on the smartphone, you may be required to download an application to your smartphone.

Android phone:
Download the Android Auto app to your smartphone from the Google Play store.

Android Auto may not be compatible with all Android devices.

iPhone:
There is no additional app required to use Apple CarPlay. Check on the manufacturer's website whether Apple CarPlay is available with your smartphone.

Note
Ensure SIRI is activated on your iPhone.

Activating phone projection in the settings menu

Once the applicable smartphone is connected, CarPlay or Andriod Auto will automatically operate. This can be changed as follows.

Press ⌂ to display the Home screen and then select **Settings**.

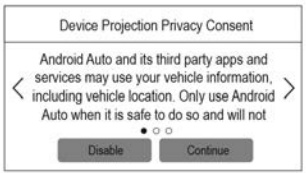
Scroll through the list and select **Android Auto** or **Apple CarPlay** to display a submenu.

Make sure the respective application is activated.

Connecting the mobile phone

Connect the smartphone to the USB port with a genuine cable.

USB port ⇨ 100


Device Projection Privacy Consent
Android Auto and its third party apps and services may use your vehicle information, including vehicle location. Only use Android Auto when it is safe to do so and will not
Disable
Continue

When your device is first connected, a device projection privacy consent popup message may be displayed.

- If you touch **Continue**, the projection feature is activated.
- If you touch **Disable**, the device is charging only.

Note

If the application is recognised by the infotainment system, the application icon may change to **Android Auto** or **Apple CarPlay**.

To start the function, you can alternatively press and hold ⌂ for a few seconds.

The phone projection screen displayed depends on your smartphone and software version.

Further information

For further information go to:

- Apple CarPlay: https://support.apple.com/ and search for CarPlay.
- Android Auto: https://support.google.com/ and search for Android Auto.

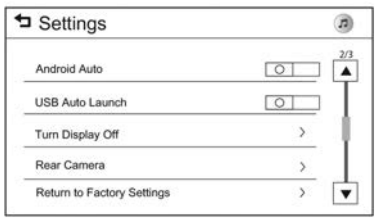
Returning to the infotainment screen.

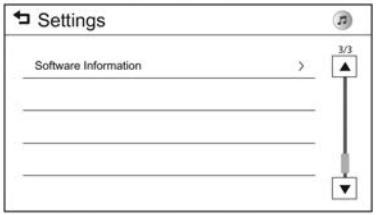
Press ⌂.

Settings

General operation of the settings menu

1. Press ⌂ on the control panel.
2. Touch **Settings**.



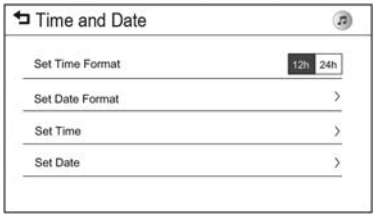


3. Select the desired setting value.

Note
Settings menus and functions may vary depending on your vehicle option.

Time and date

1. Touch **Time and Date**.



- [Set Time Format]: Select 12h or 24h time display.
- [Set Date Format]: Set the date display format.
  - [DD/MM/YYYY]
  - [MM/DD/YYYY]
  - [YYYY/MM/DD]
- [Set Time]: Set the time by touching +/-.
- [Set Date]: Set the date by touching +/-.

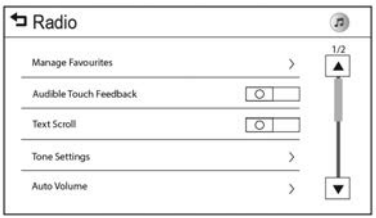
Language

1. Touch **Language**.

2. Select language displayed on the infotainment system.

Radio

1. Touch **Radio**.



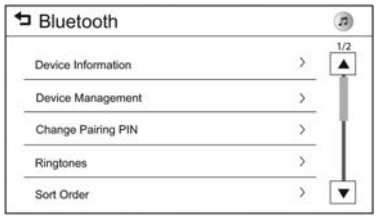
- [Manage Favourites]: Select the number of favourite list on the radio screen.
- [Audible Touch Feedback]: Allow audible feedback when touching the radio screen.
- [Text Scroll]: Allow scrolling of text such as radio station identification, messages, or music information.
- [Tone Settings]: Set the sound feature.

  Tone settings ⇨ *98*
- [Auto Volume]: Volume will be automatically controlled.

  Auto volume ⇨ *99*
- [Maximum Startup Volume]: Set the max startup volume. (13 to 37)

Bluetooth

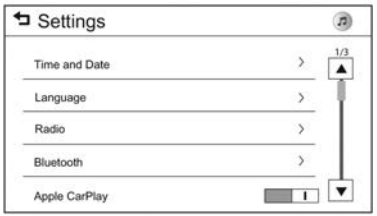
1. Touch **Bluetooth**.



- [Device Information]: Check the device information.
- [Device Management]: Select the desired device and connect/ disconnect or delete.
- [Change Pairing PIN]: Manually change/set the PIN code.
- [Ringtones]: Change the ringtone.
- [Sort Order]: Change the sorting order of contacts. (First/Last or Last/First)
- [Voice Mail Numbers]: Change the voice mail number.

Apple CarPlay

1. Touch **Apple CarPlay**.



Select on or off.

- On: If you connect an iPhone through the USB port, it will be launched automatically.
- Off: If you connect an iPhone through the USB port, it will not be launched automatically.

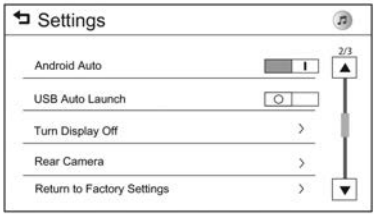
Note

Even though Apple CarPlay is set to Off, connecting a device and touching the Projection icon on the home screen will display the following pop up message:

'While active, Apple CarPlay will be displayed on this screen'.

Android Auto

1. Touch **Android Auto**.



Select on or off.

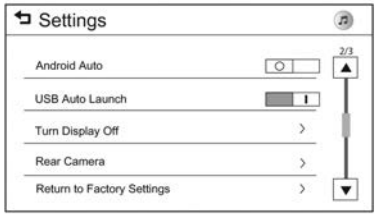
- On: If you connect an Android phone through the USB port, it will be launched automatically.
- Off: If you connect an Andriod phone through the USB port, it will not be launched automatically.

Note
Even though Android Auto is set to Off, connecting a device and touching the Projection icon on the home screen will display the following pop up message:

'While active, Android Auto will be displayed on this screen'.

USB auto launch

1. Touch **USB Auto Launch**.



Select on or off.

- On: If you connect the device through the USB port, it will be launched automatically.
- Off: If you connect the device through the USB port, it will not be launched automatically.

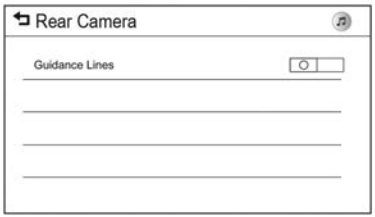
Turn display off

1. Touch **Turn Display Off**.

- Press any button or touch the screen to turn the display back on.

Rear camera

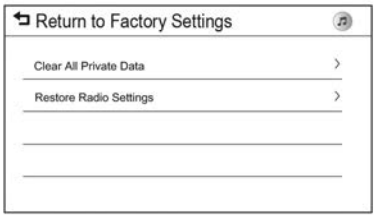
1. Touch **Rear Camera**.



- [Guidance Lines]: Select the Guidance Lines feature to turn on or off.

Return to factory settings

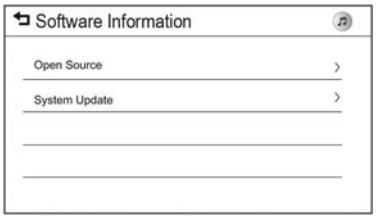
1. Touch **Return to Factory Settings**.



- [Clear All Private Data]: Clear all private data from the system.
- [Restore Radio Settings]: Restore all radio settings.

Software information

1. Touch **Software Information**.



- [Open Source]: Display Open Source Software licensing information.
- [System Update]: Update the system.

Climate control

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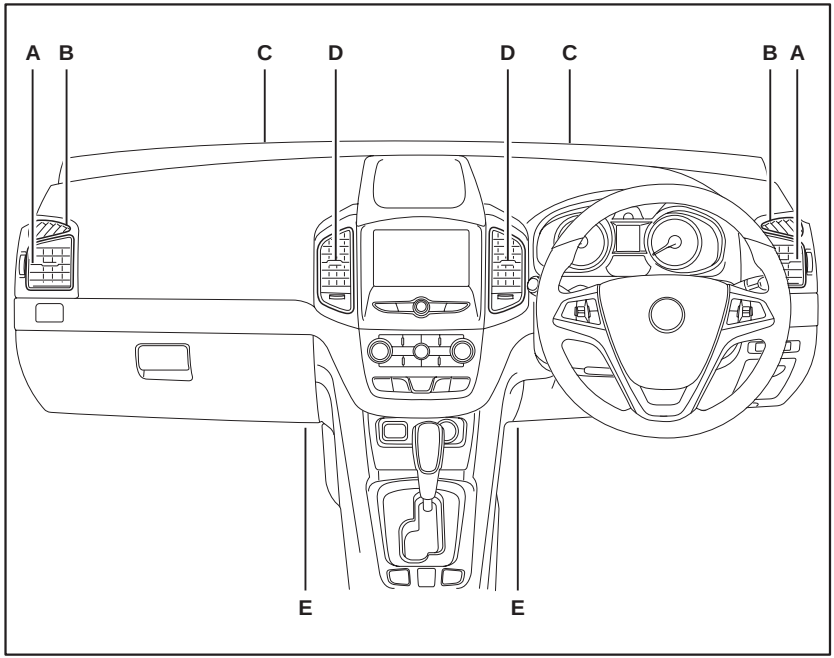
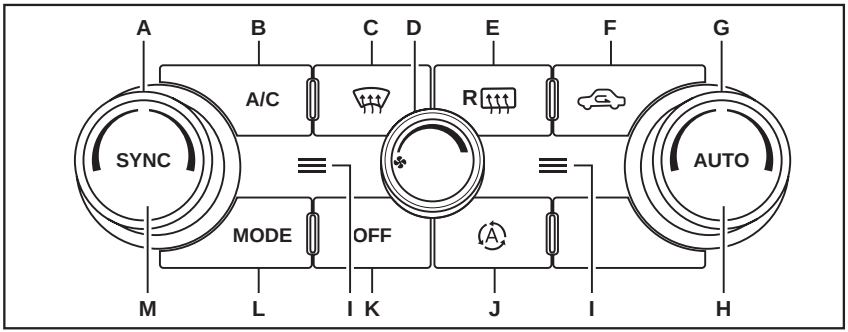
Climate control systems



A. Side vents
B. Window demister vents
C. Windscreen demister vents
D. Centre vents
E. Floor vents

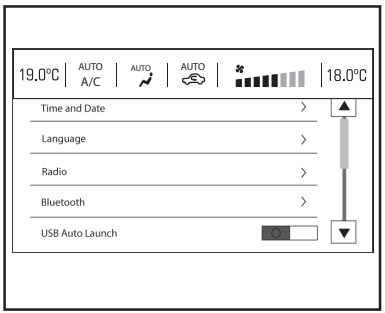
Automatic climate control system



A. Passenger temperature selector
B. Air conditioning
C. Windscreen demist mode
D. Fan speed selector
E. Rear window demister
F. Recirculation
G. Driver temperature selector
H. Automatic operation
I. Temperature sensor
J. Air Quality Sensor (AQS)
K. Off
L. Mode
M. Temperature sync

The automatic climate control temperature is controlled by:

- An in-car temperature sensor.
- Coolant temperature.
- A sun sensor.
- An ambient temperature sensor.



The climate control settings are displayed on the infotainment display when the climate control system is activated.

Air temperature selector

The temperature can be adjusted separately for the driver and passenger.

Press **SYNC** to set and link the passenger setting to the driver setting.

Dual Zone is displayed when the sides are not linked.

- Rotate the air temperature selector clockwise or anticlockwise to increase or decrease the temperature.

  The temperature can be set between 18 ºC and 28 ºC.

  The temperature is displayed on the information display.

Note
When the temperature is set to either **LO** or **HI** the fan operates at the highest speed.

Air conditioning

- Press **A/C** to switch the air conditioning on.

  illuminates on the information display.
- Press **A/C** to switch the air conditioning off or **OFF** to switch the entire system off.

Mode

Press **MODE**:

- To cancel the automatic function
- The air distribution mode is changed in the following sequence:

  Front
  Bi-Level
  Floor
  Floor/Demist

  The air distribution direction arrows are displayed on the information display.

Air outlet directions:

- directs air through the side and centre vents.
- directs air through the side and centre vents and the front and rear floor vents.
- directs air through the front and rear floor vents.

  Some air is directed through the windscreen demister vents and window demister vents.
- directs air through the windscreen demister vents and the front and rear floor vents.

  A small amount of air is directed through the window demister vents.

Automatic climate control

- Set a temperature by rotating the air temperature selectors.
- Press **AUTO**.

  AUTO illuminates on the information display.

  Air distribution mode, fan speed, air conditioning and recirculation are controlled automatically.

Off

To switch the automatic climate control system off:

- Press **OFF**.

Fan speed selector

- Rotate the fan speed selector clockwise to increase the fan speed.
- Rotating the fan speed selector anticlockwise towards ✤, cancels automatic climate control and decreases the fan speed.

Temperature sensor

The temperature sensors responds to temperature levels within the passenger compartment, to regulate the temperature when in **AUTO** mode.

Rear window demister

- Press **R** to switch the rear window demister on or off.

Recirculation

- Press to recirculate air within the passenger compartment.

  illuminates on the infotainment display.
- Press again to switch recirculation off.

  Outside air enters the passenger compartment.

  The outside air direction arrow is displayed on the information display.

Unsealed roads ⇨ 131

Air Quality Sensor (AQS)

The AQS automatically switches from outside air to recirculation, to prevent exhaust gas from outside, entering the passenger compartment.

- Press Ⓐ to switch the AQS on or off.

  The LED illuminates when AQS is activated.

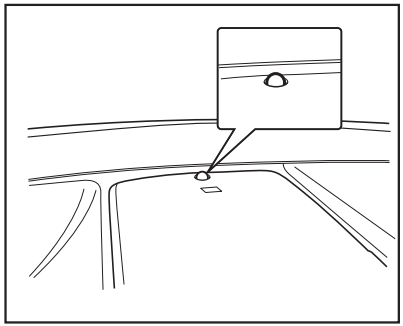
Note
Do not use AQS for an extended period of time. The windows may fog up.

Windscreen demister

- Press .

  Outside air is automatically switched on.
- Adjust the fan speed selector.
- Switch the windscreen demister off by pressing again, **MODE** or **AUTO**.

Sunlight sensor



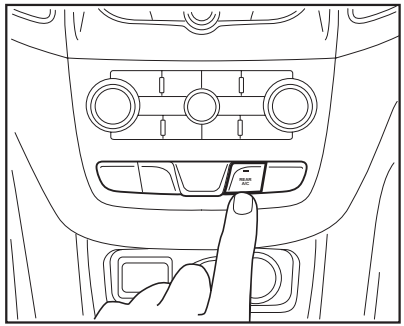
The sunlight sensor is located in front of the windscreen demister.

- The sunlight sensor responds to sunlight, to regulate the temperature when in **AUTO** mode.
- Do not cover the sunlight sensor.

Outside temperature

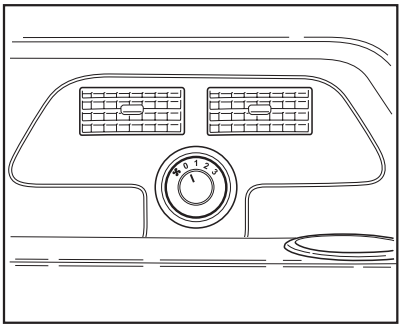
The outside temperature is displayed on the infotainment display.

Rear air conditioning system



Press **REAR A/C** on the centre of the instrument panel to turn the rear air conditioning system on.

The indicator on the button will illuminate.



Set the fan speed to the desired speed with the rear fan speed switch.

The airflow direction can be changed through the adjustable vents.

To turn the rear air conditioning system off:

- Press **REAR A/C** once more on the centre of the instrument panel.
- Set the fan speed to the '0' position with the rear fan speed switch.

The indicator on the REAR A/C button will go off.

Air vents

Adjustable air vents

The direction of air flowing out of the vents can be changed by moving the airflow deflectors up, down, left or right.

Some vents may have a shut off wheel.

Climate control systems ⇨ 125

Centre vents

Rotate the wheel horizontally to open and close the vent.

Side vents

Rotate the wheel upwards to close the vent or downwards to open the vent.

Demister vents

Demister vents are located at the base of the windscreen and are controlled by the air outlet selector.

Floor vent

Floor vents are located under the instrument panel. They are controlled by the air outlet selector.

Maintenance

Passenger compartment pollen filter

The filter removes contaminants such as pollen and dust from the air entering the vehicle.

Maintenance of the pollen filter is required. Refer to the Service & Warranty Booklet.

Regular operation

Engine performance / fuel economy

A small decrease in engine power and a slight increase in fuel consumption will be noticed when the air conditioning is in use.

Quick cool down

When entering the vehicle on a hot day, open the windows for a short time to allow the hot air to escape, before operating the air conditioning.

Water

Water condensation can leave traces of clear water on the ground underneath the vehicle. This is normal.

Unsealed roads

Prevention of dust entry

- When following another vehicle on unsealed roads and the dust is airborne, select recirculation.
- If the dust is not airborne select outside air and set the fan to high speed to help prevent dust entry.
- Ensure in both cases that all windows are closed.
- Do not use recirculation for long periods of time.

Cigarette smoke

Do not use recirculation if occupants are smoking.

Window demisting

For improved window demisting on rainy days or in high humidity, switch the air conditioning on.

Driving and operating

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Driving information

Before entering the vehicle

Check the windows, mirrors and lamps are clean.

Visually check tyre inflation. Check tyre pressures weekly.

Before driving off

1. Close and secure all doors.
2. Position the seat for comfortable driving.
3. Adjust rear view mirrors.
4. Fasten seat belts.
5. Check the warning indicators illuminate when turning the ignition on.

Warning lights, gauges and indicators ⇨ 60

Off-road driving

Hose down the front of the vehicle to clear any mud or debris. Make sure both sides of the radiator are clear.

All Wheel Drive (AWD)

The AWD Captiva is designed to maintain a high degree of comfort, ride, handling and stability.

For off-road driving, the vehicle is equipped with an all wheel drive (AWD) system which provides increased traction.

Caution
Ground clearance may not be sufficient to allow the vehicle to be driven over very severe four wheel drive tracks.

Drive slowly and with caution:

- On unfamiliar roads.
- Where there are washaways, loose or slippery patches, rocks, fallen tree branches, deep pot holes or ditches.

Travel with another vehicle when driving on remote or poor quality roads.

Front Wheel Drive (FWD)

The FWD Captiva is designed primarily for on-road use.

The vehicle may be used on well maintained unsealed (gravel) roads.

Level ride suspension

The vehicle may have level ride suspension.

The level ride suspension system automatically adjusts the suspension level while the vehicle is moving.

When a load is placed in the rear of the vehicle, the suspension is slowly lifted upward to its previous unloaded level.

This improves the ride and handling when the rear of the vehicle is loaded.

Driving on wet roads

Tyre grip

Tyre grip decreases when water, snow, ice, gravel or other materials are on the road. Adjust your driving to the road conditions:

- Reduce speeds during wet conditions.
- Replace tyres when tread wear indicators are visible.

  Tread depth ⇨ 203
- Regularly check the tyres are correctly inflated.

  Wheels and tyres ⇨ 201

Mud and snow tyres

⚠Warning

The use of tyres that are a different size or construction i.e. mud or snow tyres, may adversely affect the Electronic Stability Control (ESC) system.

When fitted with winter tread tyres, the vehicle should not be driven at speeds in excess of the tyre category symbol as moulded on the tyre, or in the absence thereof, at high speeds.

Starting and operating

New vehicle running-in

To assist the vehicle's future performance and economy use the following precautions:

- Always drive at a moderate speed until the engine has completely warmed up.
- For the first 500 km:

  Do not exceed 90 km/h.

  Avoid making hard stops except in an emergency to avoid premature wear and early replacement of brakes.
- Up to 1,500 km, avoid driving at any one speed, either slow or fast, for any length of time. Include some higher speeds within the legal speed limit.
- Drive the vehicle for 1,500 km before towing a load.

Running-in when towing ⇨ 169

Brakes

- Do not let the vehicle run down hills, or coast with the engine off, as the power assistance does not operate.
- A decrease in traction occurs when water, snow, ice, gravel or other materials are on the road surface.

  Adjust driving and vehicle speed to suit the road conditions.
- Driving through water may affect performance.

  Apply the brakes lightly to check whether they have been affected.

  To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with a clear distance ahead until brake performance returns to normal.
- Ensure that nothing is under the brake pedal which could limit their use, such as poorly fitting floor mats.
- Position the driver's seat so the brake pedal can be operated under all braking conditions.

Power steering

- The power steering fitted to the vehicle has been designed to reduce steering effort.
- Do not turn and hold the steering wheel in the fully turned position when stationary.
- If power steering is not working, due to the engine stalling, for example, the vehicle can still be steered but the steering will be very heavy. Have the steering repaired as soon as possible by a Holden Dealer.

Speed Sensitive Power Steering (SSPS)

- The SSPS system varies the driver effort required to steer as the vehicle speed changes.
- At low speeds the system provides maximum assistance for easy turning and parking.
- At higher speeds the assistance is reduced to provide firmer steering and directional stability.
- If ⛐! illuminates, the effort required to steer will increase. Contact a Holden Dealer as soon as possible.

Warning lights, gauges and indicators ⇨ 60

Loading the vehicle

Loading the vehicle changes handling when driving.

Vehicle weight ⇨ 236

Loose articles

Do not leave loose articles or luggage in the passenger compartment. Secure in the rear load area.

⚠Warning

Portable gas cylinders can leak, creating a risk of fire or explosion.

As a precaution, ensure adequate ventilation when carrying gas cylinders.

They must be restrained from rolling around and where possible, placed in the rear load area of the vehicle.

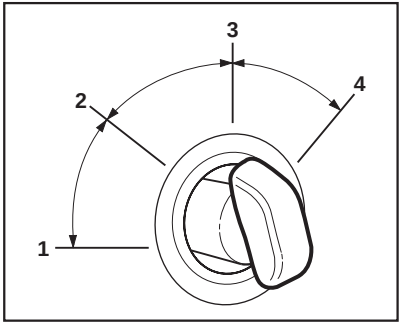
It is recommended that if gas cylinders are frequently transported that a purpose-built carrying compartment be used.

Ensure any transportation of gas cylinders complies with the applicable regulations.

Ignition positions

⚠Warning

Do not switch the engine off while the vehicle is moving as there will not be any power assist for brakes or steering.



- The keyless access transmitter must be inside the vehicle.
- Automatic transmission: The shift lever must be in P (Park) or N (Neutral). The engine will not start if the shift lever is in any other position.
- The brake pedal must be pressed to start the engine.
- Manual transmission: Depress the clutch pedal.

1: (Lock/off).

When the ignition control knob is in the lock position, some electrical accessories and the engine are off.

The engine is automatically disabled shortly after turning the ignition control knob to the lock position.

The steering wheel is automatically locked when the ignition control knob is in the lock position.

To release the steering lock, turn the ignition control knob towards the front of the vehicle. If still locked, turn the steering wheel slightly to the right or left while turning the ignition control knob towards the front of the vehicle.

2: (Accessories).
When the ignition control knob is in the accessories position, the audio system will operate.

3: (On).
When the ignition control knob is in the on position, the engine is ready to start and all electrical systems are active.

Note

- Warning lamps will illuminate.

  Warning lights, gauges and indicators ⇨ 60
- Do not leave the ignition control knob in the on position for a prolonged period, unless the engine is running, otherwise the vehicle battery will discharge.
- Diesel engine: ϖ illuminates until the diesel preheating (glow plugs) system is ready. Once ϖ extinguishes, turn the ignition control knob to the start position.

Starting the engine ⇨ 138

4: (Start).
Petrol engine: Turn the ignition control knob to the start position momentarily and then release.

The engine starts automatically.

Diesel engine: Turn the ignition control knob to the on position for preheating until the ϖ light extinguishes. Turn the ignition control knob to the start position.

The ignition control knob automatically returns to the on position when released.

Note

- If the ignition control knob does not turn, push the knob in and turn.
- If the transmitter is not in the vehicle or there is interference, Electronic Key Not Detected is displayed.

Vehicle messages ⇨ 80

Retained Accessory Power (RAP)

The following accessories may be used for up to 10 minutes after the ignition control knob is turned to the lock position:

- Outside mirror
- Power windows
- Infotainment system
- Centre console power sockets

Note
The outside mirror and power windows will operate until a door is opened.

The audio system will function until the driver’s door is opened.

Starting the engine

1. Apply the park brake. Release it only after starting the engine and when you are ready to drive off.
2. Automatic transmission: Move the shift lever to position **P** or **N**. The engine will not start if the shift lever is in any other position.

   As a safety precaution, have your foot on the brake pedal to move the shift lever out of position **P**.

   Manual transmission: Depress the clutch pedal to the floor, move the shift lever to the neutral position then start the engine.
3. Starting the engine:

   For cold or hot starting, the procedure is the same.

   Do not touch the accelerator pedal.

Petrol engine:

1. Turn the ignition control knob to the start position momentarily and then release it.
2. The engine starts automatically.
3. The ignition control knob automatically returns to the on position when released.

Diesel engine:

1. Turn the ignition control knob to the on position.
2. When ᗰ extinguishes:

   Turn the ignition control knob to the start position until the engine starts.

   The ignition control knob automatically returns to the on position when released.

Note

- The diesel preheating (glow plugs) system switches on only if the outside temperature is low.
- If the engine does not start within 10 seconds, wait another 15 seconds to let the starter motor cool down.
- Turn the ignition control knob to the start position again with the accelerator pedal pushed to the floor, for a maximum of 10 seconds.
- If the engine still does not start, release the ignition control knob and pedal.

  Wait another 15 seconds, then repeat the entire procedure.
- If the engine still fails to start, contact a Holden Dealer.

Engine will not crank or start

1. Check the keyless access transmitter is in the vehicle.
2. Turn the ignition control knob to the off position.
3. Turn the ignition control knob to the start position to start the engine again.

Note
If illuminates while starting the vehicle, a fault may have occurred. Contact a Holden Dealer to have the fault repaired.

⚠Warning

Petrol engine: When starting the engine, do not hold the ignition control knob in the start position for any extended time. If unburnt fuel were to reach the catalytic converter and ignite, the catalytic converter could overheat or be destroyed by backfire.

Note
Do not subject the engine to full throttle acceleration or high speeds until it has reached normal operating temperature. Premature engine wear or damage may result.

Automatic transmission shiftlock control system

Automatic transmission vehicles have a Brake-Transmission Shift Interlock (BTSI) system.

The shift lock release is designed to prevent movement of the shift lever out of **P**, unless the engine is on and the brake pedal is applied.

Note
The shift lock release is always functional unless the battery is discharged or has low voltage.

To shift out of **P**:

1. Apply the brake pedal.
2. Press the shift lever button.
3. Move the shift lever to the desired position.

If still unable to shift out of **P**:

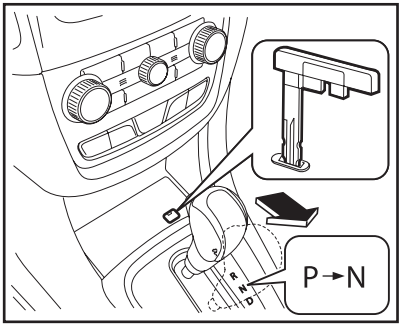
1. Release the shift lever button.
2. Press and hold the brake pedal.
3. Press the shift lever button again.
4. Move the shift lever to the desired position.

If the shift lever still cannot be moved, use the manual release.

Shiftlock manual release ⇨ 140

Shiftlock manual release

1. Turn the ignition control knob to the lock position.
2. Press and hold the brake pedal.



3. Remove the mat in front of the shift lever.
4. Remove the key from the keyless access transmitter.

   Manual door locks ⇨ 20
5. Insert and press the key into the transmission shiftlock slot.
6. Move the shift lever to **N**.
7. Remove the key from the slot.
8. Replace the mat.
9. Start the engine and move the shift lever into any position.
10. Insert the key back into the transmitter.
11. Have the vehicle repaired by a Holden Dealer as soon as possible.

Note

- If the shift lever is returned to **P**, the above procedure will need to be repeated to move the shift lever into **N**.
- The above procedure will need to be carried out if the vehicle has a flat battery and requires towing.

Towing a disabled vehicle ⇨ 223

Parking

1. Apply the park brake.

   Before leaving the vehicle, ensure Ⓟ is illuminated on the instrument cluster.

   Electric Park Brake (EPB) ⇨ 147
2. Automatic transmission: Move the shift lever to position **P**.

   Manual Transmission: Place in reverse or first gear.

   On an uphill slope, turn the front wheels away from the kerb.

   On a downhill slope, turn the front wheels towards the kerb.
3. Shut all windows.
4. Switch off all exterior lamps.
5. Turn the ignition control knob to the off position.
6. Lock all doors.

⚠Warning

To avoid the possibility of injury, always apply the park brake before exiting the vehicle.

Be careful where you park or drive. As with any vehicle, do not park or operate this vehicle in areas where combustible materials such as dry grass or leaves can come in contact with the hot exhaust system.

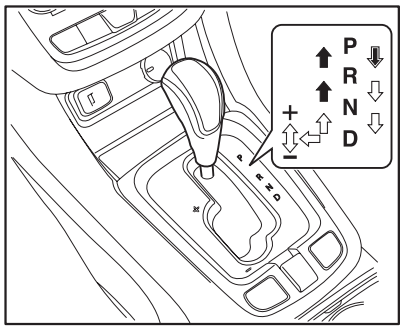
Never leave the engine running in an area such as a closed garage or underground car park.

Automatic transmission

Shifting between gears

Movement between certain gear positions requires pressing the select button on the front of the shift lever.

Always have your foot on the brake pedal when shifting out of **P** or **N**.



When the ignition is turned on, depress the brake pedal and press the select button as indicated by the black or white arrows as follows:

➡ Apply the brake pedal and press the select button on the shift lever to shift.

➡ Press the select button on the shift lever to shift.

⇨ It is not necessary to apply the brake pedal or press the select button on the shift lever to shift.

⚠Warning

You can select some transmission positions without pressing the select button on the shift lever. However, it is recommended that you become familiar with these positions to prevent any accident or damage to the transmission that may occur due to incorrect operation.

Shift lever positions

P: In park position, the wheels are locked. The vehicle may be started from the **P** position. Do not select **P** until the vehicle has stopped. Apply the park brake before leaving the vehicle.

Note
The vehicle has Brake Transmission Shift Interlock (BTSI). To move the shift lever out of position **P**, have the ignition turned on and depress the brake pedal. If the vehicle's battery is flat see, *Automatic transmission shiftlock control system* ⇨ *139*

R: Place in reverse gear only when the vehicle is stationary and the ignition is turned on. The reverse lamps will illuminate. Ensure the vehicle has stopped before selecting a forward gear.

N: In neutral the vehicle is out-of-gear.

D: Used for general driving. The transmission moves between first through to sixth gear depending on driving conditions while maintaining optimum fuel economy.

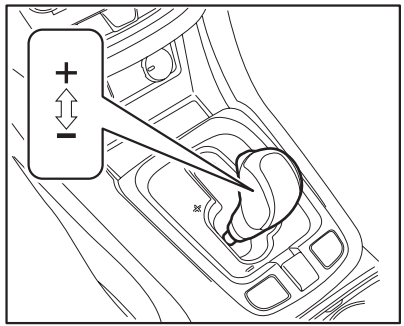
Sixth gear is overdrive which reduces engine speed and noise levels while increasing fuel economy.

Automatic transmission adaptive shift

During constant driving and shifting, the transmission is able to adapt to your driving style to improve shift quality and increase durability.

It may take an initial period for the shift quality to improve, which is considered normal.

Active select mode



- To enable active select mode, move the shift lever to position **D** then push the lever to the left.
- To return to position **D**, push the shift lever back to the right.

Active select:

- Can be enabled when the vehicle is stationary or in motion.
- In contrast to a manual transmission, allows gearshifts with the accelerator pedal depressed.

In active select mode:

- Moving the shift lever backwards (-) and forwards (+) can make rapid gear shifts simple.

  Push the lever forwards (+) once to shift up one gear.

  Pull the lever backwards (-) once to shift down one gear.
- Only the six forward gears can be selected.
- Downward shifts are made automatically when the vehicle slows down.
- When the vehicle stops, first gear is automatically selected.
- To maintain the required levels of vehicle performance and safety, the system may not execute certain gear shifts when the shift lever is operated.
- Before driving away from a stop on a slippery road, push the shift lever forwards (+) into second gear for a smooth start.

  Pull the shift lever backwards (-) to return to first gear.

Fuel economy mode

To improve the vehicle's fuel economy:

1. Press **ECO**.

   The button is located under the climate controls.

   The eco light on the instrument cluster illuminates.
2. To turn fuel economy mode off, press **ECO** again.

When fuel economy mode is on:

- The transmission will upshift sooner and downshift later.
- The torque converter will lock up sooner and stay on longer.
- The accelerator pedal will be less sensitive.
- Under deceleration, fuel shut off to the engine will be more aggressive.

Note

Do not use fuel economy mode while towing.

Emergency operation

If a problem is detected with the transmission, illuminates. The transmission may not operate normally.

If stays on and the transmission does not shift, contact a Holden Dealer.

Operating notes

- Do not press the accelerator pedal when moving the shift lever into **R** or **D**.
- Shift to a lower gear before descending steep grades.
- Do not rest your foot on the brake pedal as the brakes may overheat. This is particularly important when towing.
- Take care on slippery surfaces when accelerating, shifting gears or braking. An abrupt change in engine speed, such as sudden acceleration or engine braking, may cause the drive wheels to spin or skid.

- Do not press the accelerator pedal while using the park brake or foot brake, when in **D** or **R**. This may overheat the transmission.
- Do not use the accelerator pedal to hold the vehicle on a slope. Use the brakes.
- Do not coast the vehicle in **N**. This reduces control of the vehicle as well as engine braking power.

Transmission kick down

For faster acceleration, fully depress the accelerator pedal and hold it. The transmission will shift to a lower gear giving more power.

When the desired speed is reached, lift your foot off the accelerator and the transmission will shift up.

Engine braking

Place the transmission into active select mode to select a lower gear, before descending steep grades.

Stopping the vehicle

When stopping the vehicle on a slope, use the park brake or foot brake. Do not hold the vehicle stationary by pressing the accelerator.

Transmission shiftlock control system

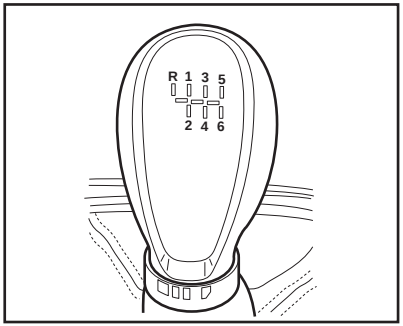
The vehicle has a Brake Transmission Shift Interlock (BTSI) system.

Automatic transmission shiftlock control system ⇨ 139

Manual transmission

The vehicle may have a manual transmission.

Shift pattern



The manual transmission has six forward gears and a reverse gear.

Select reverse gear while the vehicle is stationary:

1. Depress the clutch pedal fully.
2. Wait 3 seconds.
3. Pull the button on the front of the shift lever up.
4. Move the shift lever to position R.

If the gear does not engage:

1. Return the shift lever to neutral.
2. Release the clutch pedal.
3. Depress the clutch pedal again and repeat gear selection.

Operating notes

- When shifting from one gear to another, depress fully.
- Do not engage reverse gear while the vehicle is still moving.
- Whenever reverse gear is selected with the ignition on, the reverse lamps illuminate.
- Do not drive with your foot resting on the clutch pedal.
- When stopped on an incline, do not hold the vehicle stationary using the clutch and accelerator. Use the park brake or foot brake.
- Shift to a lower gear when climbing steep grades before the engine starts to labour.
- Shift to a lower gear before descending steep grades.
- Do not over-rev the engine when shifting to a lower gear.

Drive systems

All Wheel Drive (AWD)

The vehicle may have an AWD system.

- AWD operates automatically without any action required by the driver.
- If the front drive wheels slip, the rear wheels automatically drive the vehicle.
- There may be a slight noise during hard use. This is normal.
- flashes on the instrument cluster when the AWD system is temporarily disabled.

  If flashes briefly and then stops, this is normal. It does not indicate a system fault.
- If flashes continuously, a malfunction has occurred. Contact a Holden Dealer.

Difficult conditions

It is better to stop the vehicle well before a hazard and check on foot before driving the vehicle through it.

If the ground is very uneven or rocky, do not grip the steering wheel rim with your thumbs. A sudden steering kickback due to an unseen obstacle could cause injury.

Ensure all luggage and equipment is securely tied down when driving over rough or uneven surfaces.

Tyre chains

See *Tyre chains* ⇨ *205*

Mobile phones and CB radios

Mobile phones and CB radio equipment used inside the vehicle:

- Which use an integrated antenna, may cause interference and temporarily affect the vehicle's electronics. Permanent damage is unlikely
- That use an antenna fitted to the outside of the vehicle, should be used whenever possible.

If phones or CB radios with an integrated antenna must be used inside the vehicle, avoid operating near the instrument panel.

Water crossing

Before crossing water:

- Switch off the air conditioning.
- Do not attempt to drive through water more than 300 mm deep.
- Never drive into fast running water. The force of the water can easily move the vehicle sideways, possibly into deeper water.
- Drive very slowly through water up to 300 mm deep. Driving too fast may cause water to enter the engine and cause major damage.
- Immediately after driving through the water, drive slowly and check the brake pedal force.

  If the brakes are wet, press firmly several times to dry them out quickly.
- If the vehicle is stationary in deep water for an extended time, water may have entered the engine, transmission, differentials and wheel bearings. Contact a Holden Dealer as soon as possible.

Brakes

Antilock Brake System (ABS)

The ABS:

- Continuously monitors the vehicle's braking system preventing the wheels from locking up.
- Allows maximum braking effort while full steering control is retained, even in the event of panic braking.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving. Traffic safety can only be achieved by adopting a responsible driving style. The vehicle's speed should always be adjusted to suit road and traffic conditions.

Operation

ABS operation is noticeable by pulsing of the brake pedal and the noise of the regulation process.

The initial self-check may also be audible.

Keep the brake pedal fully pressed throughout the braking process, without pumping it. Pumping the brake pedal can reduce brake efficiency.

Caution

When the ignition is turned on, the (ABS) is illuminated for a few seconds.

If (ABS) does not extinguish, or illuminates when driving, a malfunction has occurred.

Note The vehicle's brake system remains operational, but without ABS assistance. Have a Holden Dealer check the system as soon as possible.

Brake pedal

Where possible, avoid braking hard.

Smooth operation of the brake pedal will increase the life of the brakes and reduce wear.

If the brakes do not operate normally, contact a Holden Dealer.

Electric Park Brake (EPB)

The vehicle has an Electric Park Brake (EPB).

⚠Warning

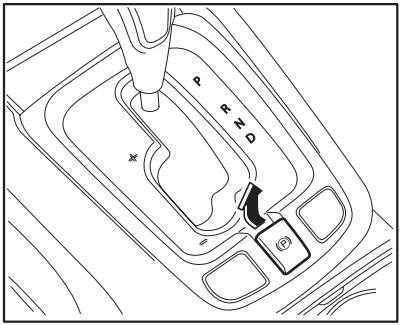
Driving while (!) is on may cause injury to yourself and others. Have the brake system checked immediately if this occurs.

- The EPB can be activated when the ignition is on or off.
- The switch is located in the centre console.
- When the ignition control knob is turned to the on position, (P) illuminates.
- If (P) does not come on or flashes:

  Stop the vehicle as soon as possible and contact a Holden Dealer immediately.
- Do not operate the switch repeatedly when the engine is off, to avoid draining the battery.

- Before leaving the vehicle, apply the park brake and ensure Ⓟ is illuminated on the instrument cluster.

Applying the EPB



1. Lift the switch Ⓟ on the centre console.

   Ⓟ flashes then illuminates on the instrument cluster.

   Note
   The sound of the park brake motor may be heard while operating.

If the EPB is applied while the vehicle is in motion:

- A chime sounds.
- The vehicle will decelerate as long as the switch is held in the up position.
- Releasing the EPB switch during deceleration will release the park brake.
- If the switch is held up until the vehicle comes to a stop, the EPB will remain applied.

If Ⓟ flashes continuously, either:

- The EPB is only partially applied.
- The EPB is released.
- There is a problem with the EPB:
  1. Release the EPB.

     EPB release ⇨ 148
  2. Apply it again.

  If Ⓟ continues to flash:
  1. Do not drive the vehicle.
  2. Contact a Holden Dealer.

If ⓘ is illuminated, apply the EPB:

1. Lift up on the EPB switch.
2. Hold in the up position.

   Full application of the EPB may take longer than normal.
3. Continue to hold the switch until Ⓟ illuminates.

   If ⓘ illuminates, contact a Holden Dealer.

If the EPB fails to apply:

1. Block the rear wheels to prevent vehicle movement.

EPB release

To release the EPB:

1. Turn the ignition on.
2. Apply and hold the brake pedal.

   If the brake pedal is not applied:

   A chime will sound and 🔧 will be displayed.
3. Press the EPB switch.

   Ⓟ extinguishes.

If ⓘ is illuminated, release the EPB:

1. Push down on the EPB switch.
2. Hold in the down position.

   EPB release may take longer than normal.
3. Continue to hold the switch until Ⓟ extinguishes.

   If Ⓟ remains illuminated, contact a Holden Dealer.

Note
Driving with the park brake on can overheat the brake system and cause premature wear or damage to brake system parts.
Ensure the park brake is released and ⓘ is off before driving.

Automatic EPB release

The EPB will automatically release if:

- The ignition is turned on.
- The shift lever is placed into gear.
- An attempt is made to drive away.

Avoid rapid acceleration when the EPB is applied.

Ride control systems

Electronic Stability Control (ESC)

The ESC:

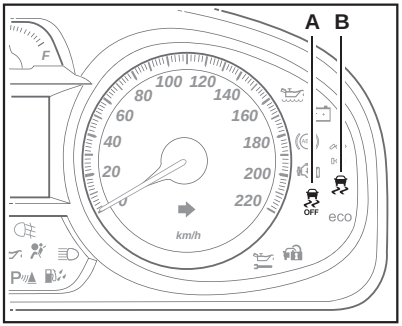
- Is an advanced feature that works in conjunction with the vehicle's ABS and includes the Traction Control System (TCS).
- Improves driving stability in any driving situation.
- Assists in maintaining vehicle stability when the vehicle's grip level is exceeded such as a sudden lane change, slippery or unexpected road conditions.
- Alters engine power and/or braking on specific wheels, improving the vehicle's steering control and power delivery, on wet or slippery roads, particularly on snow and ice.

⚠Warning

The use of tyres that are a mix of different sizes or construction, i.e. mud or snow tyres, may adversely affect the ESC system.

Do not let this special safety feature tempt you into taking risks when driving. Traffic safety can only be achieved by adopting a responsible driving style. The vehicle's speed should always be adjusted to suit road and traffic conditions.

Operation

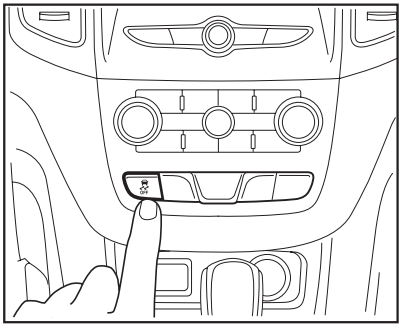


The ESC:

- Operates automatically in very unstable conditions.

  It does not operate under normal driving conditions.
- (B) flashes while the ESC is operating.
- If the lamp remains on, a malfunction has occurred. Contact a Holden Dealer.

Switching ESC on and off



In certain circumstances, it may be helpful to turn the ESC off, e.g. in deep mud or sand or if the vehicle is bogged. It may be possible to get more traction from a slightly spinning wheel.

To turn the ESC off:

- Press OFF.

  OFF (A) illuminates.

Hydraulic Brake Assist system (BA)

BA recognises how rapidly the accelerator is released and the brake pedal is applied.

BA initiates ABS earlier, shortening the stopping distance required.

Electronic Brakeforce Distribution (EBD)

EBD senses the vehicle load (both passengers and luggage) and optimises rear braking force.

EBD works in combination with ABS to prevent excessive braking and locking of the rear wheels. Braking pressure is transferred between the front and the rear axles.

Hill Start Assist (HSA)

The HSA system assists in preventing rollback when driving off, while on an incline.

1. Release the brake pedal.
2. Press the accelerator pedal.

   The brakes remain on for approximately 2 seconds.

Traction Control System (TCS)

TCS uses sensors that detect sudden wheel spin.

If one wheel is about to spin, braking is applied to transfer rotation to a wheel with better traction. This improves performance when starting off and accelerating.

Active Rollover Protection (ARP)

When the vehicle becomes extremely unstable, ARP helps maintain stability by detecting excessive vehicle roll.

ARP maximises the brake force on the wheels, slowing the vehicle down and reducing the amount of vehicle roll.

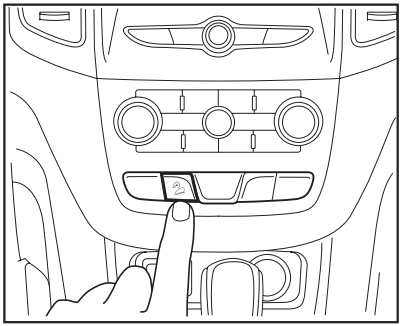
Descent Control System (DCS)

The DCS:

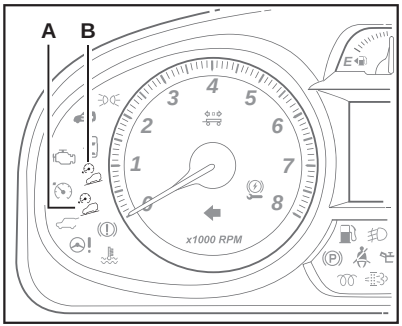
- Is only for driving down steep gradients.
- Works in conjunction with the ABS to maintain the slow speed descent of the vehicle.
- Works in conjunction with the cruise control system.
- Can be used when driving forwards or in reverse.
- Is designed for off road driving when moving over steep gradients.
- May malfunction if used unnecessarily.

  Do not use DCS when driving on normal roads.
- When activated, causes strong vibrations and noise from the brake system.

DCS on



To activate the DCS, press .



(B) illuminates green on the instrument cluster.

During operation, (B) flashes.

Note

Do not press the accelerator pedal when DCS is activated.

Caution
If stopping the vehicle on a slope or slowing to less than 5 km/h, the brake pedal can be pressed. It will briefly deactivate the DCS. DCS will re-activate a few seconds after the brake pedal is released.

DCS not ready warning

If (A) illuminates amber on the instrument cluster, a malfunction has occurred. Contact a Holden Dealer.

DCS off

To deactivate the DCS:

- Press again.
  extinguishes.

Target vehicle speeds

If the DCS is activated:

- From a standing start or up to 10 km/h. The target vehicle speed will be approximately 9 km/h.
- When the vehicle speed is between 10 km/h and 30 km/h, the target vehicle speed will be approximately 15 km/h.

Note

- The DCS will not operate when the vehicle speed is over 50 km/h.
- If the DCS is activated between 30 km/h and 50 km/h the system will remain in standby mode.
  DCS will not slow the vehicle.
- For the DCS to actively slow the vehicle to its target speed, the vehicle's speed must be below 30 km/h.

Cruise control

The cruise control:

- Maintains the vehicle's speed without pressure on the accelerator pedal.
- Will only operate at speeds above approximately 40 km/h.
- Controls are located on the steering wheel.
- Disengages by:
  - pressing the brake pedal,
  - pressing or , or
  - depressing the clutch pedal. (manual transmission)
- Disengages when the Traction Control (TC) begins to limit wheel spin. Switch the cruise control back on when road conditions allow.

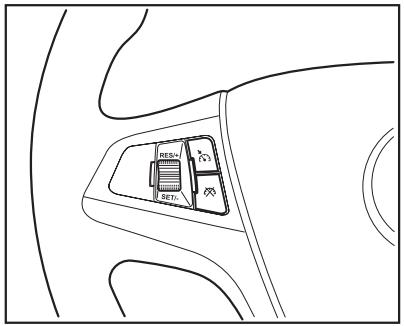
⚠Warning

Do not use the cruise control when road or driving conditions require varying speeds. A consistent speed isn't practical in heavy, varying traffic or on winding, slippery or rough roads.

The cruise control does not apply the vehicle's brakes. Therefore the vehicle may gain speed when going down steep hills.

When climbing steep hills (particularly when towing) it is possible for the vehicle to lose speed. You may need to switch off the cruise control and use the accelerator pedal.

The cruise control switches are located on the passenger side of the steering wheel.



(On/off)

RES/+ (accelerate/resume): The vehicle resumes the previously set speed. When held the vehicle accelerates.

SET/- (set/coast): Press to set the speed, activate cruise control or decelerate.

(Cancel): Press to disengage the cruise control without erasing the set speed from memory.

Note

Ensure is off when cruise control is not in use.

Setting cruise control

1. Press on the steering wheel.

   illuminates white on the instrument cluster.
2. Accelerate to the desired speed (above 40 km/h).
3. Press **SET/-** and release.

   illuminates green on the instrument cluster.
4. Take your foot off the accelerator pedal.

Disengaging cruise control

There are three ways to switch cruise control off:

- Press lightly on the brake pedal or clutch pedal (manual transmission).
- Press on the steering wheel.
- Press on the steering wheel.

Resuming a set speed

A set speed is stored and is able to be resumed if the brake or clutch pedal, or has been pressed.

When the vehicle's speed is above 40 km/h, press **RES/+** briefly to resume the stored speed.

Note

- If **RES/+** is pressed and held, the vehicle's speed will increase until the button is released, the brake pedal is applied or is pressed.
- Do not hold **RES/+**, unless you want the vehicle to go faster.

Increasing speed

If the cruise control system is already activated, either:

1. Press the accelerator pedal.

   Press **SET/-**.

   Release **SET/-** and the accelerator pedal.
2. Press and hold **RES/+** until the desired speed is reached.

   Release **RES/+**.
3. To increase the vehicle speed in small amounts:

   Briefly press **RES/+**.

   Each increase is approximately 1-2 km/h.

Reducing speed

If the cruise control system is already activated:

1. Press **SET/-** until the lower speed is reached.

   Release **SET/-**.
2. To decrease the vehicle speed in small amounts:

   Briefly press **SET/-**.

   Each decrease is approximately 1-2 km/h.

Passing another vehicle

Press the accelerator pedal to increase the vehicle speed.

To return to the set speed, remove your foot from the accelerator pedal.

Using cruise control on hills

When driving up a hill, press the accelerator pedal to maintain the set speed.

When driving down a hill, press the brake pedal or shift to a lower gear to decrease the vehicle's speed.

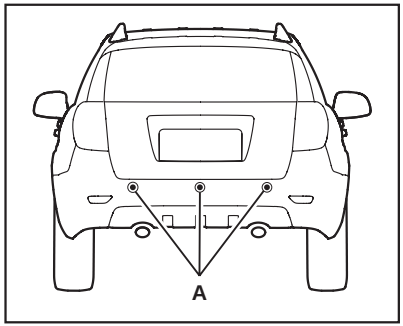
Note
Applying the brakes disengages the cruise control.

Erasing speed memory

The cruise control set speed memory is erased by pressing or when the ignition is turned off.

Object detection systems

Rear Park Assist (RPA)



Rear Park Assist (RPA) is able to detect and indicate obstacles at the rear of the vehicle when reversing.

RPA consists of three sensors (A) on the rear bumper, a control unit and a speaker in the vehicle's interior.

⚠Warning

The driver is always responsible for taking care and attention while manoeuvring the vehicle. The RPA is only an aid and is neither intended to, nor able to take over any responsibility.

The park sensors may not be able to detect all objects under every condition e.g. objects too close to the vehicle, objects above or below the sensors, or objects with a surface that absorbs ultrasonic waves. Additionally, some ambient conditions like ultrasonic waves or heavy rain can cause disruptive reflections from an object's surface. Such objects may not be detected.

Always manoeuvre the vehicle slowly to allow yourself sufficient time to react. The warning tones will sound only while the vehicle's speed is below 5 km/h.

Rear park assist operation

The RPA is activated automatically when the following occur:

- The ignition is turned on.
- Reverse gear is selected.
- The vehicle's speed is below 5 km/h.

Alarm tones

- The rear sensors start to detect objects at approximately 80-120 cm.
- Alarm tones sound with a long pause between tones.
- As the vehicle moves closer to the object the pause between the alarm tones becomes shorter.
- When the rear bumper is approximately 30-40 cm from the object the alarm tone sounds continuously.

See the following table.

Rear warning tones:

Alarm	Sensing distance from bumper	Alarm tone
1st alarm	approx. 80-120 cm	---beep--beep--
2nd alarm	approx. within 40-80 cm	---beep-beep-beep-beep-
3rd alarm	approx. within 30-40 cm	Alarm stays on

Notes on operation

- A short single confirmation alarm will sound to confirm the sensors are operational.
- If the sensors receive other ultrasonic signals e.g. metallic sounds or exhaust brake noise from heavy commercial vehicles, the system may not work properly.
- The system may not activate if the sensors are frozen or covered with dirt.
- P may illuminate on the instrument cluster when the sensors are dirty.

  Clean dirty sensors with a soft sponge and clean water.

  If the warning light remains on, contact a Holden Dealer as soon as possible.
- Do not push or scratch the surface of the sensors.
- Do not hit or direct high pressure water directly at the sensors as they may be damaged.
- The system may not operate correctly when the vehicle is driven over uneven surfaces.
- The system may not recognise sharp objects, thick winter clothes or other materials which absorb ultrasonic waves.
- The alarm sounds may be different depending on the object.

- Deactivation when towing:

  The system will be automatically deactivated when a trailer lighting plug is connected to the vehicle.

  It will activate again when the plug is removed.

  P will illuminate on the instrument cluster while the trailer lighting plug is connected.

Fault

A fault in the system is indicated by:

- The alarm sounding six times continuously when there are no objects around the rear bumper.
- **P** illuminating on the instrument cluster.

  Move the vehicle with care and check and clean the sensors.

If the problem persists, contact a Holden Dealer.

Rear Vision Camera (RVC)

⚠Warning

Never rely solely on the reverse camera when reversing the vehicle.

There is a blind spot that can not be sensed by the rear view camera.

The reverse camera is not intended to replace the driver's judgement or attention toward the rear of the vehicle when reversing.

Before entering the vehicle, always check the area around the vehicle is clear of obstacles and people.

Always perform head checks and use the vehicle's mirrors when reversing.

If the vehicle sustains any damage in the area of the reverse camera (rear number plate surround), the camera may become misaligned. Contact a Holden Dealer.

Always keep the camera lens free from dirt, snow or ice. Only use mild soap and water with a soft cloth to clean the lens.

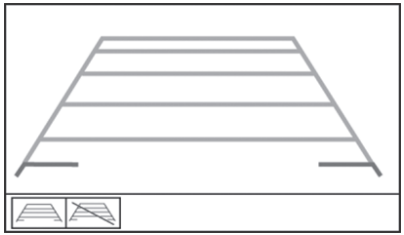
The camera

The camera is located at the top of the rear number plate surround.

The RVC cannot display objects:

- Close to the corners of the bumper.
- Forward of the camera.
- Higher than the camera.

RVC display



The camera display appears on the infotainment screen, when reverse gear is selected.
The area directly behind the vehicle is displayed in real time.

Static guidelines can also be displayed on the screen.

- Touch to hide the guidelines.
- Touch to show the guidelines again.

Note

- The distance of objects seen on the screen differs from the actual distance.
- The area displayed on the screen may vary according to vehicle orientation or road conditions.
- Objects of different heights will appear to be different distances from the vehicle.
- The grid on the display is to be used as a guide only. It does not represent a set distance from the vehicle.
- The RVC display will override all other operating displays.
- The RVC display may be temporarily interrupted when some audio system or climate control settings are changed.

Operating the RVC

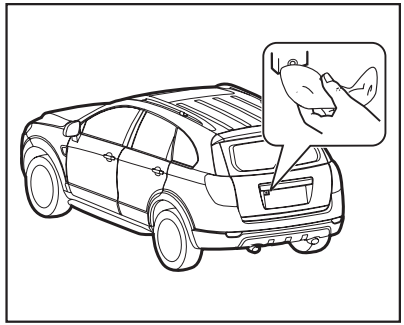
To activate:

1. Turn the ignition control knob to the on position.
2. Select reverse gear.

   The camera automatically activates.

Note
When the shift lever is moved to another position, the camera deactivates.

Cleaning



The lens requires regular cleaning to ensure optimum performance.

Use only a soft cloth, mild soap and water.

⚠Warning

Do not use abrasive cleaners or scouring pads as they could scratch the lens, impairing the system's performance.

Rear Cross Traffic Alert (RCTA)

The vehicle may have Rear Cross Traffic Alert (RCTA).

On vehicles with RCTA, a red warning triangle with an arrow may also display on the RVC screen to warn of traffic coming from either direction, behind the vehicle.

When an object is detected, three beeps sound on the left or right side, depending on the direction of the detected vehicle. This system detects objects coming from up to 20 m (65 ft) from the left or right side behind the vehicle.

Use caution while backing up when towing a trailer, as the RCTA detection zones that extend out from the back of your vehicle do not move further back when a trailer is towed.

Side Blind Zone Alert (SBZA)

The vehicle may have Side Blind Zone Alert (SBZA).

SBZA is a lane-changing aid that assists drivers avoiding crashes that occur with moving vehicles in the side blind zone (or spot) areas.

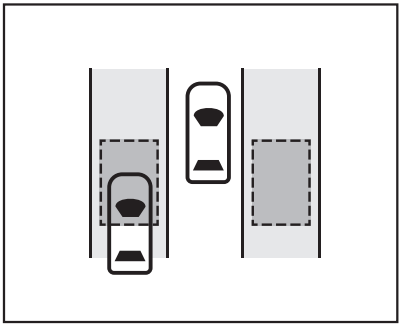
The SBZA warning display will light up in the corresponding outside side mirror and will flash if the turn signal is on.

⚠Warning

SBZA does not alert the driver to vehicles rapidly approaching outside of the side blind zones, pedestrians, bicyclists, or animals. It may not provide alerts when changing lanes under all driving conditions.

Failure to use proper care when changing lanes may result in injury, death, or vehicle damage. Before making a lane change, always check mirrors, glance over your shoulder, and use the turn signals.

SBZA detection zones



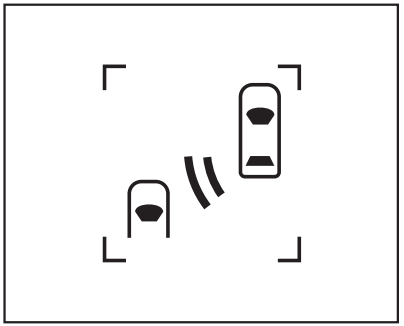
The SBZA sensor covers a zone of approximately one lane over from both sides of the vehicle, or 3.5 m (11 ft). The height of the zone is approximately between 0.5 m (1.5 ft) and 2 m (6 ft) off the ground.

This zone starts at approximately the middle of the vehicle and goes back 5 m (16 ft).

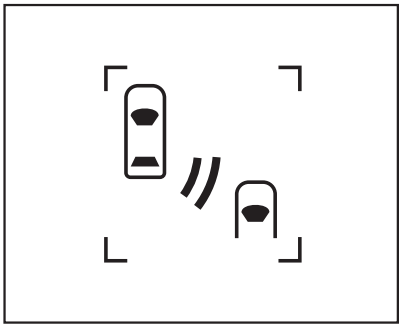
How the system works

The SBZA symbol lights up in the side mirrors when the system detects a moving vehicle in the next lane over that is in the side blind zone. This indicates it may be unsafe to change lanes. Before making a lane change, check the SBZA display, check mirrors, glance over your shoulder, and use the turn signals.

Left Side Mirror Display



Right Side Mirror Display



When the vehicle is started, both outside mirror SBZA displays will briefly come on to indicate the system is operating.

When the vehicle is in a forward gear, the left or right side mirror display will light up if a moving vehicle is detected in that blind zone. If the turn signal is activated in the same direction as a detected vehicle, this display will flash as an extra warning not to change lanes.

SBZA can be disabled.

Vehicle personalisation ⇨ *78*

If SBZA is disabled by the driver, the SBZA mirror displays will not illuminate.

When the system does not seem to work properly

SBZA displays may not come on when passing a vehicle quickly, for a stopped vehicle, or when towing a trailer. The SBZA detection zones that extend back from the side of the vehicle do not move further back when a trailer is towed.

Use caution while changing lanes when towing a trailer.

SBZA may alert to objects attached to the vehicle, such as a trailer, bicycle, or object extending out to either side of the vehicle. This is normal system operation.

SBZA may not always alert the driver to vehicles in the side blind zone, especially in wet conditions. The displays may illuminate due to guardrails, signs, trees, shrubs, and other non-moving objects. This is normal system operation.

SBZA may not operate when the SBZA sensors in the left or right corners of the rear bumper are covered with mud, dirt, snow, ice, or slush, or in heavy rainstorms.

Washing ⇨ *226*

If the DIC displays the system unavailable message after cleaning the rear corners of the vehicle, contact a Holden Dealer.

If the SBZA displays do not illuminate when vehicles are in the blind zone and the system is clean, contact a Holden Dealer.

When SBZA is disabled for any reason other than the driver turning it off, the Side Blind Zone Alert On option will not be available on the personalisation menu.

Vehicle personalisation ⇨ *78*

Fuel

⚠Danger

EXHAUST WARNING – CARBON MONOXIDE POISONING

Exhaust gases can produce carbon monoxide, a dangerous gas, which can cause unconsciousness and even death to both humans and animals.

Gases could be inhaled if the exhaust system on your vehicle is faulty.

To protect against exhaust gases entering the vehicle, the exhaust system and body should be inspected:

- Each time the vehicle is serviced.
- Whenever a change is noticed in the sound of the exhaust system.
- Whenever the exhaust system, underbody or rear of the vehicle is damaged.

Take the vehicle to a Holden Dealer if you think the vehicle needs inspecting for any of the above reasons.

Do not sit (or leave children or pets) in a parked vehicle for any extended period of time with the engine running. Turn the fan on using any setting that brings outside air into the vehicle. Do not run the engine in an enclosed area (such as the garage) any longer than is needed to move the vehicle.

⚠Danger

PETROL

Petrol is extremely flammable and highly explosive.

Always switch off the engine and any mobile phones when refuelling.

Do not smoke or allow open flames or sparks near the vehicle when refuelling.

If fuel fumes are smelt while driving, the cause should be identified and corrected without delay by a Holden Dealer.

Static electricity can ignite fuel vapour. Only use pumps, hoses and containers that are properly grounded when filling up with fuel.

To avoid injury to you and to others, read and follow all instructions on the petrol station pump.

⚠Warning

USE OF FUEL CONTAINING ETHANOL (PETROL ENGINES)

When purchasing such fuel, we recommend the vehicle be operated on fuel containing no more than 10% ethanol.

Under no circumstances should fuel containing more than this percentage of ethanol be used. Use of such fuels may result in engine malfunction, starting and operating difficulties and materials degradation. These adverse effects could result in permanent damage to the vehicle and personal injury.

It is also important to note that when ethanol blends are used, fuel consumption can be expected to increase due to the lower energy content of ethanol.

The use of fuel containing more than this percentage of ethanol may also affect your New Vehicle Voluntary Warranty to the extent that Holden considers the fuel affects the specifications and quality of your vehicle.

The vehicle may be refuelled with E10 and unleaded fuel containing no ethanol. It is acceptable to mix these fuels in any combination.

The use of any fuel, other than the fuel specified, may seriously damage the vehicle and may void the warranty.

Fuel types ⇨ 164

Only clean fuel of good quality should be used.

Caution

USE OF FUEL CONTAINING ETHANOL (DIESEL ENGINES)

Under no circumstances should you use diesel fuel containing ethanol.

Use of such fuels may result in engine malfunction, starting and operating difficulties and materials degradation.

These adverse effects could result in permanent damage to your vehicle and personal injury.

Fuel types

Petrol engines

Use unleaded petrol of 91 Research Octane Number (RON) rating or higher.

High octane unleaded petrol (premium, etc.) may be used, but is not required for the vehicle.

The use of fuel with a lower octane rating than recommended may cause engine knock.

Continued use of fuel with a lower octane rating to that recommended, can cause engine damage and void the warranty.

If you detect a heavy engine knock even when using fuel of the recommended octane rating, have the engine checked.

Diesel engines

Diesel engines must be operated only on commercially available diesel fuel meeting the requirements of Euro standards EN590.

The use of bio-diesel containing up to 5 % fatty acid methyl ester ('FAME') also known as 'B5' is also permitted provided the FAME meets the Euro Standards EN14214 and EN590.

Do not use marine diesel oils or heating oils.

The flow and filterability of diesel fuel are temperature dependent. When temperatures are low, use diesel fuel with guaranteed winter properties.

Caution

Use only bio-diesel blends containing up to a maximum of 5 % FAME that meets Euro Standards EN14214 and EN590.

Purchasing fuel from a reputable fuel retailer may reduce the risk of purchasing fuel with more than 5 % FAME or fuel which contains abnormal fuel properties.

Use of any other bio-diesel that does not have the certification referred to above, or has a FAME content exceeding 5 %, may cause serious damage to your vehicle (including engine failure).

Damage attributable to the use of non-certified bio-diesel is not covered by your New Vehicle Voluntary Warranty. In no event will Holden be responsible or bear any liability for any damage or loss that may arise in connection with the use of any fuel that does not meet this specification.

Refuelling

Fill the fuel tank at the intermediate or fast fill rate.

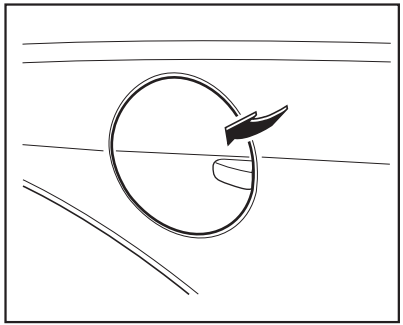
Do not add any more fuel after the fuel filler first clicks off as fuel blows back. This allows room for the fuel to expand inside the tank.

Spilt fuel on the vehicle's exterior surfaces can damage the paint. Wash it off as soon as possible.

Tank capacity

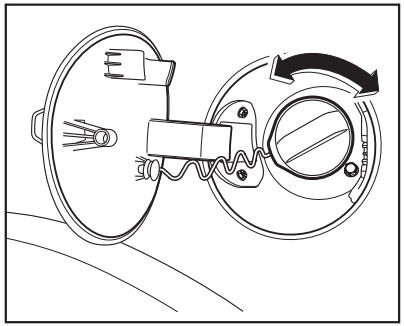
Capacities ⇨ 237

Fuel filler door



1. Stop the engine.
2. If the vehicle is locked, press on the keyless access transmitter.
3. Open the fuel filler door by hand.

Fuel cap



1. Remove the cap slowly rotating anticlockwise.

Caution

If the cap is opened rapidly while pressure in the tank is high, fuel may spray out from the tank. Rotate it slightly to release the pressure from inside the tank.

Note

Store the fuel cap on the inside of the fuel filler door while refuelling.

2. After refuelling, rotate the fuel cap clockwise until a clicking sound is heard.
3. Push the fuel filler door closed making sure that it latches.

Petrol filler nozzle restrictor

A petrol nozzle restrictor is fitted to ensure that only unleaded petrol can be used for petrol engined vehicles.

Caution
The use of fuel, other than the fuel specified, may cause serious damage to your vehicle and may void your warranty. Only clean fuel of good quality should be used.

Towing

Trailer towing

The word trailer is used throughout this section and includes all types of towed vehicles, such as caravans, boat trailers or any other special purpose trailer.

Towing

Handling, durability and economy may be affected by towing a trailer.

For recommended and mandatory towing equipment see, *Towing and loading equipment* ⇨ *168*

A Holden Dealer will assist with supply and installation of towing equipment.

Overloading

Never exceed the loads given for the towing equipment fitted to the vehicle.

All mandatory equipment must be fitted, otherwise you may void the New Vehicle Voluntary Warranty, to the extent that Holden considers the overloading or missing equipment to have affected the specifications or quality of the vehicle.

Towing and loading equipment ⇨ *168*

Maximum towing capacities (kg) – braked trailer

Engine	3.0L Petrol	2.4L Petrol	2.2L Diesel
	2,000	1,500	2,000

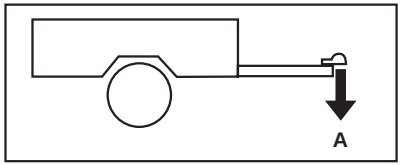
Note

- Exceeding these values could affect the New Vehicle Voluntary Warranty.
- The maximum unbraked towing capacity for all vehicles is 750 kg.

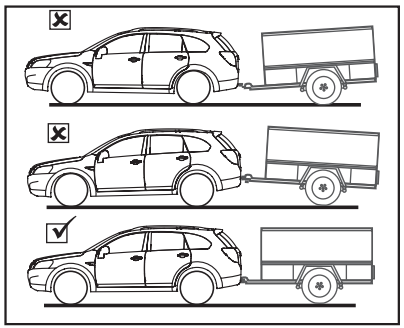
⚠Warning

Holden towing equipment is recommended where it is available. Where it is not available, no recommendation is made as to the make of equipment which should be used. Holden will not accept liability for defects occurring in towing equipment not marketed by Holden or for defects in the vehicle arising from the use of such equipment or for loss or injury caused by use of such equipment. The use of such equipment may void your New Vehicle Voluntary Warranty, to the extent that Holden considers the non-recommended equipment affects the specifications or quality of your Holden vehicle. It is inadvisable to mix and match different brands of towing equipment, as equipment is usually designed as an integrated package.

Trailer recommendations



A trailer hitched to a vehicle places a weight on the tow bar. This weight is called the tow bar ball weight or tow ball load (A).



- For single axle trailers, the tow ball load should be 10% of the loaded trailer weight. For heavy trailers with more than one axle, the tow ball load should be 5 % - 10 % of the loaded trailer weight.
- If the tow ball load exceeds 158 kg, consider using a load distribution hitch.
- Adjust by moving items forwards or backwards within the trailer, to change the balance.
- Check the tow ball load before coupling the trailer to the towing vehicle.
- Axle loads must not be exceeded when the tow ball load is included.

  Axle loads ⇨ 237.
- If maximum axle loads are exceeded, weight should be removed from the rear of the vehicle and transferred onto the trailer.
- If the axle load balance cannot be corrected, consider using a load distribution hitch.

Load distribution hitch

- The vehicle may have a load distribution hitch.
- If the tow ball load exceeds 158 kg, consider using a load distribution hitch.
- The load distribution hitch must be removed when not in use. Do not leave the hitch assembly in the receiver unless a trailer is attached.
- A load distribution hitch transfers load to the vehicles front wheels aiding steering and brake performance.
- Do not exceed the maximum towing capacities specified.

  Maximum towing capacities (kg) – braked trailer ⇨ 166
- Do not exceed the total front or rear axle loads specified.

  Axle loads ⇨ 237

Towing precautions

- When heavily loading the vehicle or when towing, inflate tyres to the maximum recommended pressure.

  Tyre placard ⇨ 201
- Ensure that, if fitted, a load distribution hitch is correctly distributing the tow ball load.

  Towing and loading equipment ⇨ 168
- Tighten the tow ball retaining nut to 140 Nm (Newton metres) and check the torque frequently.
- Vehicles handle differently when towing. Take a couple of short distance trips with the trailer before taking a long trip.
- Have the vehicle and trailer correctly maintained and serviced, with particular attention given to the brakes, tyres, suspension, wheel bearings, towing coupling and lighting.
- Use an extended-arm mirror on both sides of the vehicle if necessary.

Towing and loading equipment

Tow load	Mandatory equipment	Recommended equipment
Up to 750 kg	Holden 2,000 kg rated tow bar	Load distribution hitch.
	Holden trailer wiring harness	
Between 750 kg and 2,000 kg	Holden 2,000 kg rated tow bar	Load distribution hitch.
	Holden trailer wiring harness	
	Brakes on the trailer	

- Headlamps may need re-aiming after the loaded trailer has been hitched, particularly if a load distribution hitch is not used.
- Use a lower gear and the brakes when descending steep hills.
- Ensure the tow bar does not obscure the rear number plate. Remove the tow bar tongue when not required for towing.
- The M10 anti-rattle bolt and nut, should be removed when towing to prevent damage to the bolt or tow bar tongue.
- If a tow bar is removed, have any mounting holes in the underbody sealed to prevent entry of exhaust fumes, dust and water.
- The vehicle may have Rear Park Assist (RPA). It will automatically deactivate when a trailer lighting plug is connected to the vehicle. It will automatically activate again when the plug is removed.

Trailer brakes

- Trailer brakes are mandatory on trailers weighing 750 kg and over when loaded.
- Consult the appropriate regulatory body in your State or Territory for the legal requirements of trailer brakes.

Running-in when towing

It is recommended that a new vehicle be driven for at least 1,500 km before towing.

If towing is necessary before this, do not exceed 80 km/h. This also applies if the vehicle is fitted with a new or reconditioned engine, transmission or rear axle.

Off road loading and towing (All Wheel Drive vehicles)

To reduce the risk of damage to the vehicle (and trailer) and to improve safety when operating off-road, reduce the vehicle speed and minimise the load being carried or towed.

Vehicle maintenance

More frequent vehicle maintenance is required when using the vehicle to tow. Refer to the Service & Warranty Booklet in the vehicle's glove box.

Conversions and add-ons

Fitting driving lamps

Do not fit any accessory over the upper or lower air intakes at the front of the vehicle, as this may affect engine cooling.

The Holden Genuine Accessories are an exception, however they should be removed in high load and high temperature conditions.

Caution

In high load and high temperature applications (e.g. towing) no objects should be fitted over the upper or lower air intake at the front of the vehicle, as this could affect cooling. This includes removing Holden Genuine Accessories in this area, in these conditions.

Fitting nudge bars

If a nudge bar is to be fitted, it is critical a Holden approved nudge bar be used. Other types must not be fitted.

The Holden nudge bar is available from a Holden Dealer and has been compatibility tested with the vehicle's design, including the Holden airbag system.

⚠Warning

Fitting other types of nudge bars may affect crash performance, airbag performance and engine cooling.

Nudge bars should not be fitted to vehicles operating in suburban areas, as they increase the risk of injury to a pedestrian in the event of a collision.

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General information

Emission information

Petrol engine

The emission control systems are designed to reduce the amount of hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NOx) that are emitted from the engine and fuel system into the atmosphere. HC and NOx, when exposed to sunlight under certain conditions, contribute to smog. In addition, CO is toxic when it becomes highly concentrated in the air.

Emission control system

Major emission control systems the vehicle may have are:

1. Evaporative emission control system. This system is designed to prevent the escape of fuel vapour from the fuel system and recycle the vapours through the normal combustion process.
2. Crankcase emission control system. This system is designed to prevent blow-by gases from escaping into the atmosphere and recycle them through the combustion process.
3. Exhaust emission control system. The various components of this system operate collectively to limit HC, CO and NOx emissions in the exhaust gas. The exhaust emission control system consists of components including electronic control of spark, fuel and idle speed. In addition, vehicles have a catalytic converter and closed loop mixture control system.

Owner responsibility

The engine, engine control system and exhaust system of the vehicle must not be modified in any way.

⚠Warning

Any person who removes, modifies or hinders any part of the emission control system may be contravening Australian Design Rules. It is also illegal to drive a vehicle modified in this way.

First drive

When the vehicle is driven for the first time, wax and oil on the exhaust system may evaporate, producing smoke-like emissions that should not be inhaled. Allow wax and oil to evaporate while the vehicle is in the open air.

Maintenance requirements

Have the vehicle serviced according to the Maintenance schedule in the Service & Warranty Booklet.

It is recommended servicing be carried out by an authorised Holden Dealer who will maintain the vehicle's emission control system as per the Service & Warranty Booklet.

Diesel engine

Diesel Particle Filter (DPF) (exhaust filter)

The diesel particle filter system collects particulates from the exhaust gases to minimise discharge of soot to the atmosphere.

To prevent clogging of the filter, the soot particles are burnt off at regular intervals through a self cleaning process where additional fuel is injected into the engine cylinders to increase the particle filter temperature to approximately 600°C.

This allows deposited soot to be oxidized or burnt off to carbon dioxide (CO_2).

This process usually takes between 10 and 12 minutes but may take up to 25 minutes depending on driving conditions. A message will be displayed in the Driver Information Centre (DIC) advising of this.

Increased engine speed at idle, operation of engine cooling fan and emissions of odours and smoke are considered to be normal conditions during the self cleaning process. Fuel consumption may also be higher during this period.

Under certain driving conditions, e.g. when operated for prolonged periods at low engine loads, the system cannot clean itself automatically.

If the cleaning of the filter is required and if previous driving conditions did not enable automatic cleaning, it will be indicated by the control indicator and a message in the DIC.

Diesel Particle Filter (DPF) (exhaust filter) light ⇨ 70

Vehicle messages ⇨ 80

Cleaning process

To activate the cleaning process, continue driving and when road conditions and traffic permits, increase vehicle speed above 50 km/h until and the DIC message turns off (10 to 25 minutes).

Do not switch off the engine until the cleaning process is complete.

The control indicator and message extinguish as soon as the self-cleaning operation is complete.

Turning the engine off while and the message is on or flashing will prevent the cleaning process from completing. This will result in increased fuel consumption and a reduction in engine oil life.

If also illuminates, cleaning is not possible. Contact a Holden Dealer.

For more information refer to the owner information pages at www.holden.com.au

Reducing fuel consumption

Engine

Have the vehicle serviced regularly in accordance with the maintenance schedule in the Service & Warranty Booklet.

Tyre pressure

Keep the tyres at the recommended pressures.

Wheels and tyres ⇨ 201

Wheel alignment

Maintain correct front and rear wheel alignment.

Warm ups and idling

Avoid long engine warm ups. They are unnecessary and waste fuel.

Avoid long engine idling.

Accelerating, driving and braking

Accelerate gently and avoid rapid starts.

Drive the vehicle at steady speeds where possible (after running-in).

It is desirable to reach top gear as soon as possible, but do not force the engine to labour in top gear.

Riding the brake

Do not rest your foot on the brake pedal when you do not intend to brake.

Air conditioning

Switch off the air conditioning when not required, however, once every 2 weeks, with the engine running, switch the air conditioning on for 5 to 10 minutes to lubricate the seals (even in winter).

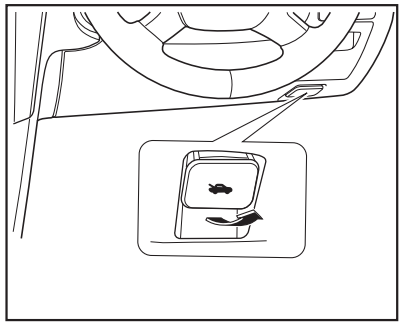
Loading

Unnecessary weight increases fuel consumption, especially when accelerating.

Vehicle checks

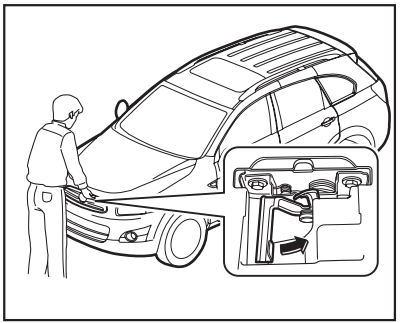
Bonnet

Opening



- Pull the lever towards you.

  A safety catch prevents the bonnet from opening completely.



1. Reach under the front edge of the bonnet.
2. Push the catch towards the passenger side.
3. Hold and raise the bonnet.

   Gas struts automatically take over to lift and hold the bonnet open.

Closing

⚠Warning

To avoid injury and/or damage to the vehicle, check each time, before the bonnet is closed, the contact area is unobstructed.

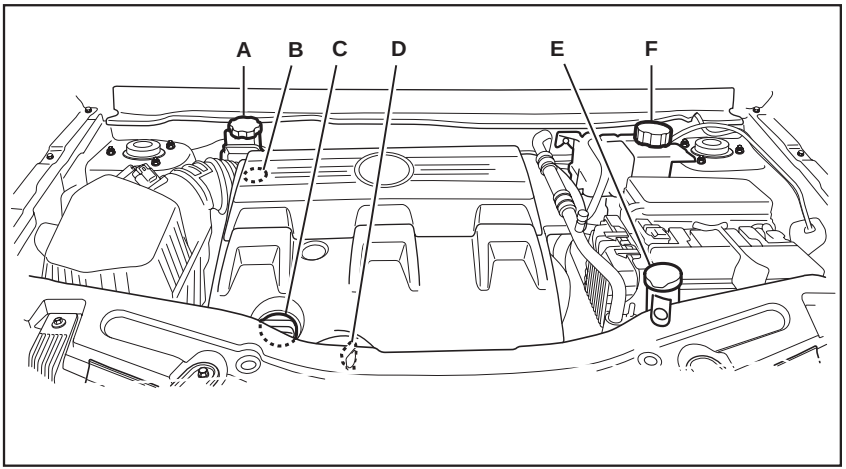
Lower the bonnet and allow it to drop into the catch. Check the bonnet is engaged.

⚠Warning

If while driving you notice the bonnet has not been properly closed, pull the vehicle over to the side of the road at the earliest possible moment and close the bonnet correctly.

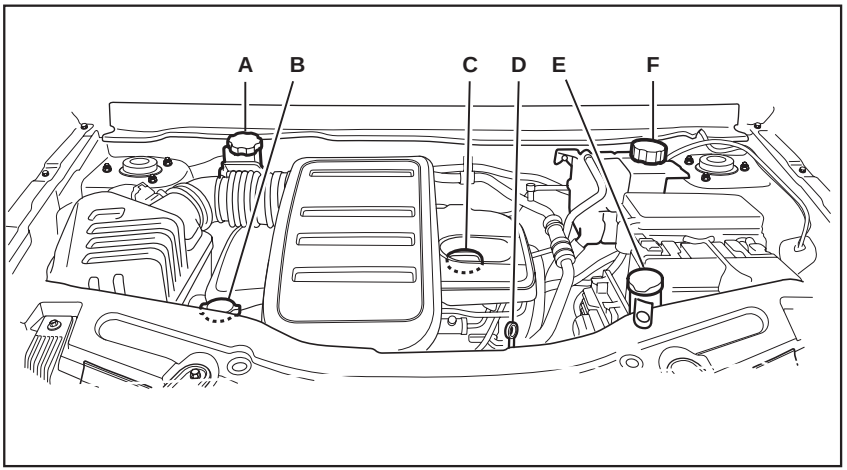
Engine compartment overview

Petrol V6



A. Brake fluid reservoir ⇨ *188*
B. Power steering fluid reservoir ⇨ *186*
C. Engine oil filler cap ⇨ *179*
D. Dipstick for engine oil ⇨ *179*
E. Washer fluid reservoir ⇨ *188*
F. Coolant reservoir ⇨ *181*

Petrol L4



A. Brake fluid reservoir ⇨ *188*
Clutch / Brake fluid reservoir ⇨ *189*

B. Power steering fluid reservoir ⇨ *186*

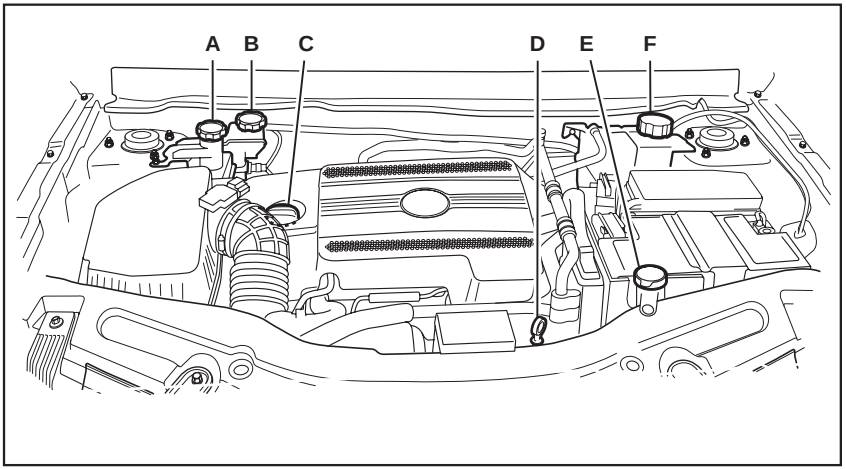
C. Engine oil filler cap ⇨ *179*

D. Dipstick for engine oil ⇨ *179*

E. Washer fluid reservoir ⇨ *188*

F. Coolant reservoir ⇨ *181*

Diesel



A. Power steering fluid reservoir ⇨ *186*
B. Brake fluid reservoir ⇨ *188*
C. Engine oil filler cap ⇨ *179*
D. Dipstick for engine oil ⇨ *179*
E. Washer fluid reservoir ⇨ *188*
F. Coolant reservoir ⇨ *181*

Engine oil

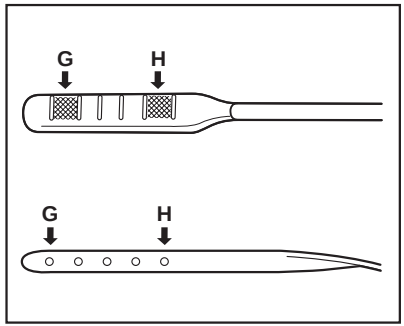
- Keep the engine oil at correct levels.
- Check the oil level at regular intervals, such as when refuelling.
- If illuminates, check the oil level immediately.

Engine oil pressure light ⇨ 70

Checking fluid level

The engine must be at operating temperature and the ignition turned off for 10 minutes to allow the oil to settle.

1. Park the vehicle on a level surface.
2. Remove the dipstick by pulling up on the yellow handle and wipe clean.
3. Insert the dipstick firmly.



Different dipsticks are used depending on engine variant.

G. Add mark

H. Upper mark

4. Wait for a few seconds then remove and read the oil level.

   The level should be between the area/marks (G) and (H).

   Add oil if the level is at area/mark (G).
5. Insert the dipstick firmly.

Adding engine oil

Capacities ⇨ 237

1. Remove the engine oil cap.
2. Add enough oil to reach within the area/mark (H).
3. Wait a few minutes.
4. Check the oil level again.
5. Replace the engine oil cap and dipstick.

Note

Use only engine oil that is approved to the dexos specification or an equivalent engine oil of the appropriate viscosity and grade. Engine oils approved to the dexos specification will show dexos on the container.

Failure to use the recommended engine oil or equivalent may result in engine damage not covered by the New Vehicle Voluntary Warranty.

Recommended fluids, lubricants and parts ⇨ 232

Use of oils that do not meet the dexos specification may result in reduced performance under certain circumstances.

Engine oil system

The engine is dependent on oil for lubricating critical areas subjected to high friction loads:

- The cylinder walls.
- The pistons and rings.
- The valve stems.

Some oil from these areas is carried into the combustion chamber and burnt during the combustion process.

Other factors that contribute to the rate of oil consumption in the engine:

- Worn pistons, rings, valve stems and guides.
- The way in which the vehicle is operated.
- The quality and grade of oil.
- The oil level and dilution.

Operation of the vehicle

High speed driving and heavy towing increases engine temperature, which lowers oil viscosity, causing more oil to reach the combustion chamber and get burnt away.

Quality and grade of oil

If an oil is too ‘thin’ (low viscosity), the oil consumption will increase. Use only the recommended grades of oil.

Recommended fluids, lubricants and parts ⇨ 232

Oil level

Maintain the required oil level.

Over filling causes:

- Oil to splash onto the cylinder walls.
- Excess oil to be drawn into the combustion chamber and burnt.
- Oil in the sump to become aerated causing damage to the engine.

Dilution

When a vehicle is frequently driven on short trips, the engine often fails to reach normal operating temperatures:

- The oil becomes diluted by fuel and moisture that settles in the oil pan.
- This may raise the oil level creating a false reading on the engine oil dipstick.

For example, in a vehicle that has accumulated 1,500 km of short distance or intermittent city operation and has consumed a normal amount of oil, the level may not have dropped from dipstick upper mark due to dilution. If this vehicle is driven for some distance at highway speeds, the dilution elements evaporate, resulting in a sudden drop in oil level.

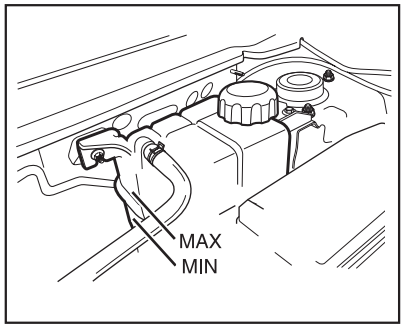
If you are still concerned the engine has excessive oil consumption, contact a Holden Dealer.

Note
Engine oil consumption should not be judged before 10,000 km.

Engine coolant

Checking fluid level

Check at least once a week by looking at the level from outside the container.



When the engine is cool, the level should be between the MIN/MAX lines. Refill the coolant reservoir:

- If the level is lower than the **MIN** line.
- To the **MAX** line.

Check the cooling system for leaks first.

⚠Warning

Do not over fill the coolant reservoir.

Only use specified coolant.

Recommended fluids, lubricants and parts ⇨ 232

Do not mix different coolants as this may damage the engine cooling system.

Remove the coolant reservoir filler cap only.

Always check the coolant level when the engine is cold. Steam and scalding liquids from a hot cooling system can blow out and cause serious burns.

Do not spill coolant on the vehicle's exterior surfaces as it can damage the paintwork. If you do, wash it off immediately.

Adding engine coolant

For engine coolant specifications and water-to-coolant ratio see, *Recommended fluids, lubricants and parts ⇨ 232*

Always use the specified ratio.

1. Mix a solution of Holden coolant and clean fresh water.
2. Turn the ignition control knob to the lock position.
3. Wait for the engine to cool.
4. Undo the cap on top of the coolant reservoir.
5. Add the coolant solution.
6. Secure the cap.

Note

Failure to use coolant meeting Holden's specifications, or maintaining the specified concentration, may result in voiding the New Vehicle Voluntary Warranty.

In emergency situations, plain clean fresh water may be used temporarily until the correct Holden coolant is obtained. Replace as soon as possible from the nearest Holden Dealer.

How the engine coolant works

- The coolant contains special corrosion inhibitors.
- Coolant helps the cooling system in hot weather by increasing the boiling point.
- Coolant protects against freezing down to –30°C, provided the specified concentration is maintained.

If the coolant requires regular topping up, contact a Holden Dealer.

⚠Warning

Corrosion inhibitors and antifreeze fluids are poisonous. Use extreme care when handling. If swallowed, seek medical attention.

If the engine overheats or loses coolant see, *Engine overheating* ⇨ *183*

The engine may temporarily operate at high temperatures during demanding operating conditions, especially on hot days, including:

- Climbing a long hill.
- Stopping immediately after high speed driving.
- Idling for long periods in traffic.
- Towing a heavily laden trailer.

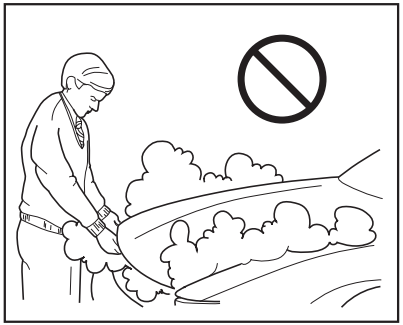
Switch the air conditioning off in these conditions.

Engine overheating

⚠Warning

Immediate action is required if the engine overheats. This may be indicated by the engine coolant temperature light illuminating, by steam escaping from under the bonnet, a loss of power or a loud knocking or pinging noise.

Continued driving even for a short time could result in a fire or vehicle damage.



⚠Danger

Do not open the bonnet if you can see or hear steam or coolant escaping from the engine compartment. Wait until no steam or coolant can be seen or heard before opening the bonnet.

Do not remove the cooling system cap if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.

Cooling system checks

When no steam is visible:

If illuminates for more than 30 seconds:

1. As soon as it is safe to do so, stop the vehicle on the side of the road.
2. Switch off the air conditioning.
3. Leave the engine idling for about 3 minutes.
4. Exit the vehicle and audibly check the cooling fan is working.

If the fan is working and remains illuminated:

1. Turn the ignition control knob to the lock position.
2. Open the bonnet.
3. Check the coolant level.

Without undoing the coolant reservoir filler cap, look at the level from outside the container.

If the coolant level is low, there may be a leak in the cooling system:

1. Look for leaks at the radiator hoses and connections, heater hoses and connections, radiator and water pump.

   Take care when checking these areas as they may still be hot.
2. Check the drive belt.
3. If a major leak or other problems are found, do not run the engine until all problems have been repaired.
4. If you do not find any problems, refill the coolant reservoir.

Adding engine coolant ⇨ 185

⚠Danger

Do not remove the coolant reservoir cap if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.

Caution

If you see or hear steam coming from the engine, stop and turn the ignition control knob to the lock position. Do not open the bonnet until the engine has cooled down.

If the fan is not operating and steam is visible:

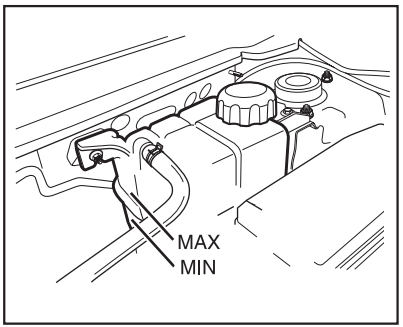
1. Turn the ignition control knob to the lock position.
2. Move away from the vehicle without opening the bonnet.
3. Let the engine cool down.
4. When steam is no longer visible, carefully open the bonnet.
5. Have the vehicle serviced as soon as possible.

Adding engine coolant

Overheated engine

⚠Warning

The cooling system is pressurised. To avoid injury read all of the following instructions before attempting to add coolant.



Without undoing the coolant reservoir filler cap, look at the level from outside the container.

When the engine is hot:

- The level should be above the **MIN** mark.
- If the level is at or below the **MIN** mark, add coolant:
  1. Allow the engine to cool slightly.
  2. Cover the cap with a thick cloth.
  3. Remove the cap very slowly to allow any pressure to escape.
  4. If water is added it needs to be clean.
  5. Top up the coolant reservoir to the **MAX** mark while the engine is idling.
  6. Replace the coolant reservoir filler cap.

Caution

Do not spill coolant on the vehicle's exterior surfaces as it can damage the paintwork. If you do, wash it off immediately.

- If extinguishes, resume driving at a reduced speed.
- Return to normal driving after 10 minutes.
- If the engine overheats again, contact a Holden Dealer as soon as possible.

Power steering fluid

Caution

Do not drive the vehicle without the proper amount of power steering fluid. It can result in system damage and costly repair.

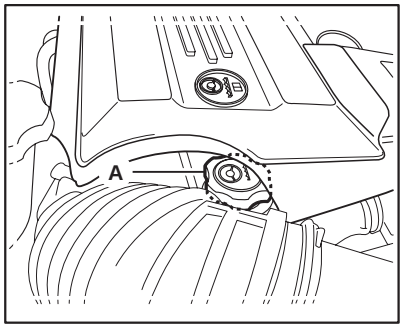
Caution

Extremely small amounts of contamination can cause steering system damage and cause it to not work properly.

Do not allow contaminants to contact the fluid side of the reservoir cap/dipstick or to enter the reservoir.

Checking fluid level

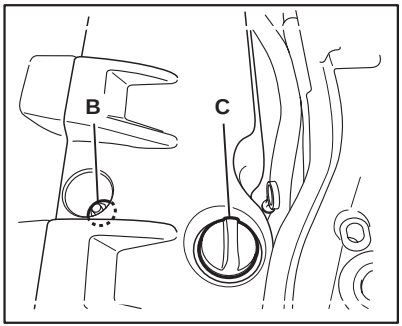
3.0L V6 petrol engine



The power steering fluid reservoir is located below the engine cover (A).

Engine cover removal:

1. Turn the ignition control knob to the lock position.

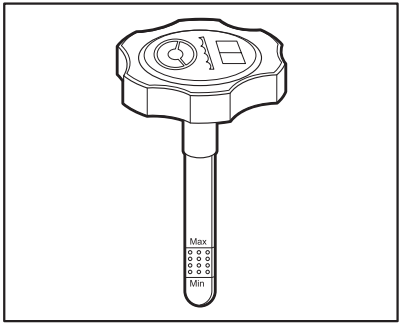


2. Remove the bolt (B).
3. Remove the engine oil cap (C).
4. Lift the engine cover to remove.

   If assistance is required, contact a Holden Dealer.

To check the fluid level:

1. Wipe the cap and the top of the reservoir clean.
2. Remove the cap.



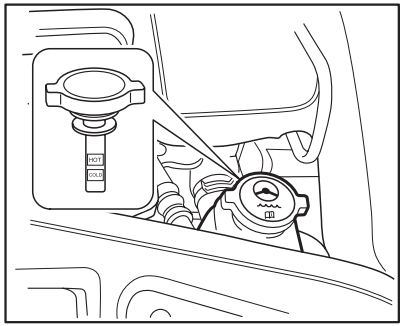
When the engine is hot, the fluid level should be at the **MAX** mark.

When the engine is cold, the fluid level must be between the **MIN** and **MAX** marks.

2.4L L4 petrol engine

To check the fluid level:

1. Wipe the cap and the top of the reservoir clean.
2. Remove the cap.



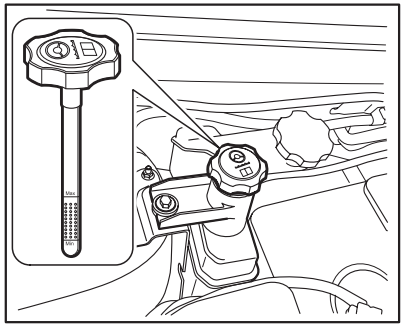
When the engine is hot, the fluid level should be within the **HOT** area.

When the engine is cold, the fluid level should be within the **COLD** area.

2.2L L4 diesel engine

To check the fluid level:

1. Wipe the cap and the top of the reservoir clean.
2. Remove the cap.



When the engine is hot, the fluid level should be at the **MAX** mark.

When the engine is cold, the fluid level must be between the **MIN** and **MAX** marks.

Adding power steering fluid

For power steering fluid specifications see, *Recommended fluids, lubricants and parts* ⇨ *232*

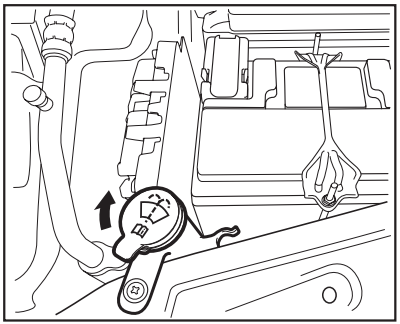
1. Add enough fluid to bring the level up to the correct levels.

   Do not overfill.
2. Replace the cap tightly.
3. Clean up any spilt fluid.

Note
If the power steering fluid reservoir requires constant topping up, contact a Holden Dealer immediately.

Washer fluid

Checking fluid level



Check the fluid level weekly and top up if necessary.

Adding washer fluid

1. Use the correct amount of washer fluid additive. Refer to a Holden Dealer.

   Do not use ordinary soap or detergent as they froth up and damage the wiper rubbers.
2. Secure the cap.

Brake fluid

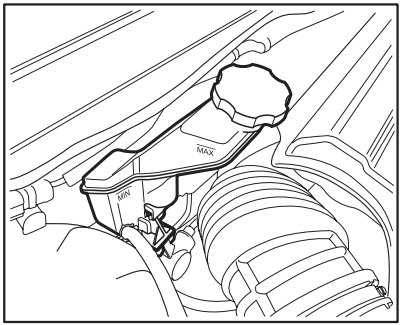
⚠Warning

Do not let brake fluid contact your skin or eyes. If you do get it in your eyes or on your skin, wash the affected skin thoroughly with soap and water, or flush eyes immediately with water and seek medical attention.

Do not spill brake fluid on the vehicle's exterior surfaces as it can damage the paintwork. If you do, wash it off immediately.

Checking fluid level

Check once a week by looking at the level from outside the container. For location see, *Engine compartment overview* ⇨ *176*



The level should be between the **MIN** and **MAX** area.

If the fluid level is correct, do not remove the reservoir cap, as brake fluid exposed to the atmosphere will quickly absorb moisture.

Adding brake fluid

Use heavy duty brake fluid.

Recommended fluids, lubricants and parts ⇨ *232*

1. Turn the ignition control knob to the lock position.
2. Wipe the sides of the cap clean.
3. Rotate anti-clockwise to remove.
4. Top up with heavy duty brake fluid.

⚠Warning

Using brake fluid other than GM recommended brake fluid may cause corrosion to components of the braking system and reduced braking performance.

Use only new brake fluid. Use of old, used or inferior brake fluid may endanger the functioning of the brake system.

5. Secure the cap and clean up any spilt fluid.

If the brake fluid requires regular topping up, contact a Holden Dealer immediately.

Clutch / brake fluid

(Manual transmission)

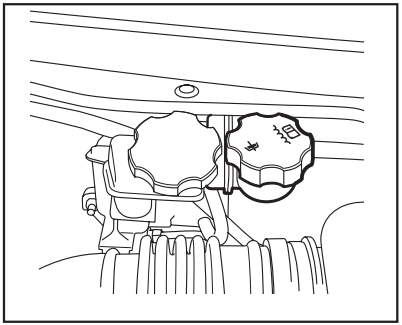
⚠Warning

Do not let brake fluid contact your skin or eyes. If you do get it in your eyes or on your skin, wash the affected skin thoroughly with soap and water, or flush eyes immediately with water and seek medical attention.

Do not spill clutch/brake fluid on the vehicle's exterior surfaces as it can damage the paintwork. If you do, wash it off immediately.

Checking fluid level

Check once a week by looking at the level from outside the container. For location see, *Engine compartment overview* ⇨ *176*



The level should be between the **MIN** and **MAX** area. If the fluid level is correct, do not remove the reservoir cap, as clutch/brake fluid exposed to the atmosphere will quickly absorb moisture.

Adding fluid

Use heavy duty brake fluid. *Recommended fluids, lubricants and parts* ⇨ *232*

1. Turn the ignition control knob to the lock position.
2. Wipe the sides of the cap clean.
3. Rotate anti-clockwise to remove.
4. Top up with heavy duty brake fluid.

⚠Warning

Using brake fluid other than GM recommended brake fluid may cause corrosion to components of the braking system and reduced braking performance.

Use only new brake fluid. Use of old, used or inferior brake fluid may endanger the functioning of the brake system.

5. Secure the cap and clean up any spilt fluid.

If the clutch/brake fluid requires regular topping up, contact a Holden Dealer immediately.

Battery

⚠Warning

Batteries emit an explosive gas mixture which may be ignited by sparks or naked flames. Therefore keep sparks and flames away from the battery at all times. Never smoke near a battery.

Batteries contain sulphuric acid. If acid contacts skin or clothing, flush immediately with a lot of water. In case of eye contact, flush with plenty of water and seek medical assistance immediately. Battery acid also damages paint and fabrics. To minimise damage, wash off immediately.

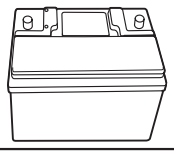
Remove rings, metal watch bands and other metal jewellery before working around the battery. Metal objects that touch battery terminals can cause sparks and serious heat burns to the user.

Never disconnect the battery when the engine is running.

Always connect the red cable to the positive (+) battery terminal and the black cable to the negative (-) battery terminal. Connecting the battery cables to the wrong terminals can result in injury and damage to the vehicle.

Wear eye protection such as safety glasses and avoid leaning over the battery.

Battery maintenance



The battery is maintenance free.

The fluid level does not need to be checked.

To extend the life of the battery:

- Keep the battery mounted securely.
- Keep the top of the battery dry and clean.
- Keep the terminals and connections clean, tight and coated with petroleum jelly or terminal grease.
- Immediately rinse off any spilled electrolyte using a solution of water and baking soda.
- If the vehicle is not going to be driven for an extended period of time, disconnect the cable from the negative (-) terminal of the battery to prevent discharge, and charge the battery every 6 weeks.

Diesel fuel filter

The vehicle may have a diesel fuel filter.

When the water level in fuel filter is excessive, illuminates on the instrument cluster.

Caution

The engine and fuel system may be seriously damaged if the vehicle is driven while is illuminated.

Contact a Holden Dealer immediately to have the fuel filter drained.

Note

The fuel filter will be drained when the vehicle is serviced. Refer to the Service & Warranty Booklet.

Diesel fuel system bleeding

The system requires bleeding if the vehicle has run out of fuel.

Note

- A minimum of 10 L of diesel fuel must be in the tank for the bleeding operation to work correctly.
- It is possible to restart the engine if the tank has been run dry. A delayed start can be expected.

1. Turn the ignition control knob to the on position for approximately 5 seconds.
2. Turn the ignition control knob to the lock position.
3. Repeat Steps 1 and 2 five times.
4. Turn the ignition control knob to the start position for approximately 40 seconds.
5. If the engine does not start, wait at least 5 minutes and try again.

   If the engine still does not start, contact a Holden Dealer.

Bulb replacement

Contact a Holden Dealer if unsure about the bulb replacement process.

When replacing bulbs:

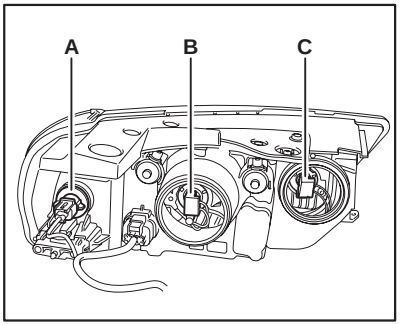
- Turn the ignition control knob to the lock position.
- Turn off related switches.
- Fit bulbs of the specified wattage only.
- Do not touch bulbs or reflectors with bare hands.
- Clean stained bulbs with methylated spirits.
- As headlamp aiming is a safety item it is recommended that you have it carried out by a Holden Dealer.

Bulbs to be changed by a Holden Dealer

- Sun visor mirror lamps.
- Daytime running lamps.
- Exterior mirror lamps.
- High mount stop lamp.
- Stop/tail lamps (LED).

Caution
Condensation may temporarily appear on the inside of exterior lamp lenses after rain or washing the vehicle. Condensation occurs when there is a temperature difference between the inside and outside of the lamp allowing a fine mist on the inside surface of the lamp lens. This condensation will disappear when the vehicle is in a dry environment or the lamp is on. If water does collect in the lamp, contact a Holden Dealer.

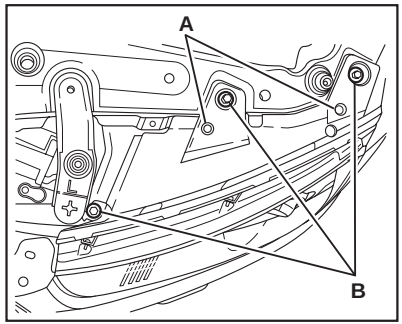
Headlamps and front turn signal lamps



A. Turn signal lamp bulb: PY21W
B. Low beam headlamp bulb: H7LL
C. High beam headlamp bulb: H7LL

Headlamp assembly removal

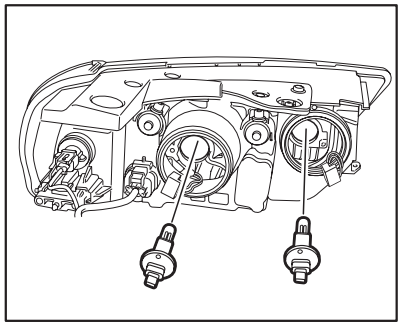
1. Open the bonnet.
2. Remove the nine clips securing the radiator shroud by removing each centre screw and pulling the clip body out.



3. Remove the two screws (A) retaining the headlamp cover.
4. Remove the three bolts (B).
5. Pull the headlamp assembly straight forward, releasing the retaining studs from the grommets. If required, disconnect the two electrical connectors.

Halogen headlamp bulbs

1. Remove the headlamp assembly as previously described.
2. Remove the applicable dust cover from the back of the headlamp housing by rotating anti-clockwise a quarter of a turn and grasping the lower edge.

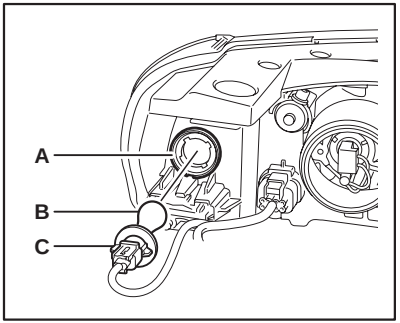


3. Disconnect the electrical connector.
4. Remove the bulb from the headlamp assembly by releasing the spring clamp.
5. Install the new bulb into the socket.
6. Attach the spring clamp. Reconnect the electrical connector.

7. Install the dust cover in the back of the headlamp housing by rotating clockwise a quarter turn.
8. Reinstall the headlamp assembly and radiator shroud.

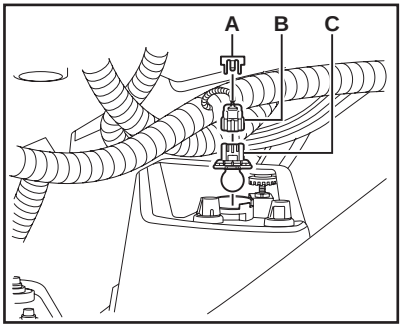
Front turn signal lamp bulb

1. Open the bonnet.
2. Remove the headlamp assembly as previously described.



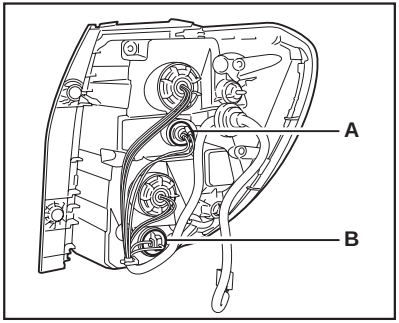
3. Rotate the bulb socket (C) anti-clockwise to remove it from the headlamp assembly (A).
4. Remove the bulb (B) from the socket (C) by rotating anti-clockwise.
5. Install the new bulb into the socket and reinstall the socket into the headlamp assembly by rotating it clockwise.
6. Reinstall the headlamp assembly and radiator shroud.

Front fog lamps



1. Open the bonnet.
2. Remove the headlamp assembly. *Headlamp assembly removal* ⇨ *193*
3. Remove the electrical connector retainer (A) by sliding it rearward.
4. Disconnect the electrical connector (B) by pressing the release tab and pulling straight back.
5. Remove the bulb (C) from the fog lamp assembly by squeezing the upper and lower release tabs and pulling straight out.
6. Push the new bulb into the fog lamp assembly until it locks in place.
   Front fog lamp bulb: PSX24W
7. Connect the electrical connector. Ensure the release tab locks into place.
8. Install the connector retainer (A).
9. Reinstall the headlamp assembly and radiator shroud.

Rear tail lamps



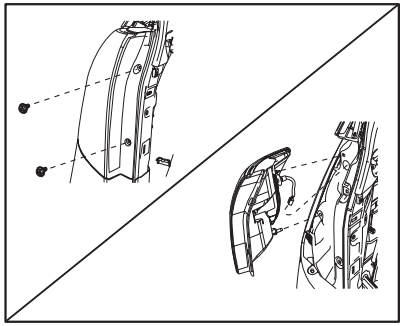
A. Reverse lamp bulb: W16W

B. Turn signal lamp bulb: WY21W

Note

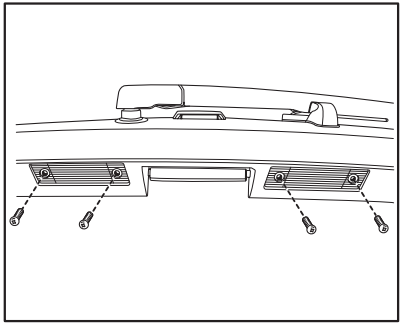
To replace the LED stop/tail lamps see a Holden dealer.

1. Open the tailgate.
2. Remove the two screw caps.



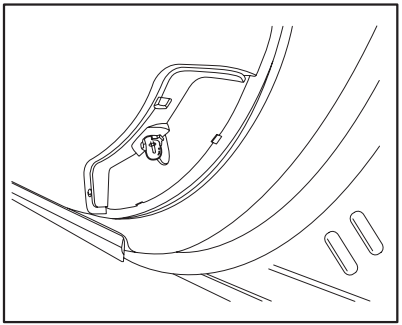
3. Remove the two screws and the rear tail lamp assembly.
4. Remove the reverse lamp or rear turn signal lamp bulb holder by rotating it anti-clockwise.
5. Push the bulb inward and rotate it anti-clockwise.
6. Insert the replacement bulb into the holder and rotate it clockwise.
7. Replace the bulb holder into the rear tail lamp assembly and rotate it clockwise to secure.
8. Refit the rear tail lamp assembly securing with the two screws. Refit the screw caps.

Licence plate lamps



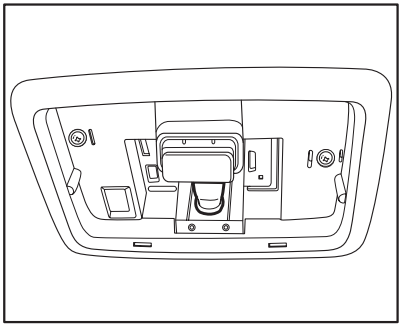
1. Remove the two screws and the lamp lens.
2. Rotate the bulb holder anti-clockwise and remove it from the housing.
3. Pull the bulb straight out of the bulb holder and install the replacement bulb.
   Licence plate lamp bulb: W5W
4. Rotate the bulb holder clockwise to reinstall it into the lamp housing.
5. Refit the lamp lens, securing with the two screws.

Front door step lamp



1. Using a flat-blade screwdriver, carefully prise the lamp lens away from the front door trim.
2. Pull the bulb straight out of the bulb holder and install the replacement bulb.
   Front door step lamp bulb: W5W
3. Refit the lamp lens ensuring it is securely fastened.

Interior and map lamps



1. Using a flat-blade screwdriver, carefully prise the lamp lens away from the housing.
2. Remove the bulb and install the replacement.
   Interior lamp bulb: W10W
3. Refit the lamp lens.

Electrical system

Fuses and relays

Fuse block

Fuse blocks are located:

- In the engine compartment
- In the floor console on the driver side

Spare fuses and a fuse extractor are located in the engine compartment fuse block.

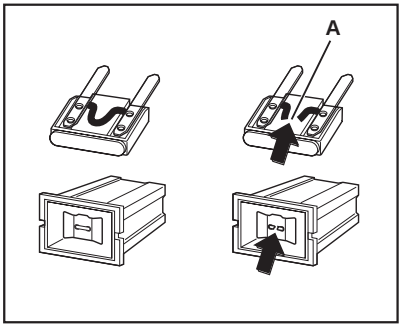
Note
Not all fuses may be fitted

Relays

Relays are located in the engine compartment fuse block.

Their position and function is shown on the inside of the fuse cover.

A blown fuse

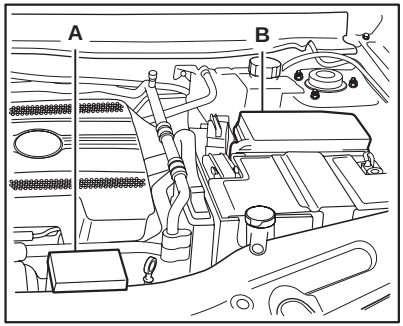


1. Pull out the suspect fuse.
2. Examine the wire in the fuse.

   A blown fuse can be recognised by its melted wire (A).

   If a fuse blows twice in a row, contact a Holden Dealer.

Engine compartment



- Diesel auxiliary fuse block (A) (with diesel engine)
- Engine compartment fuse block (B)

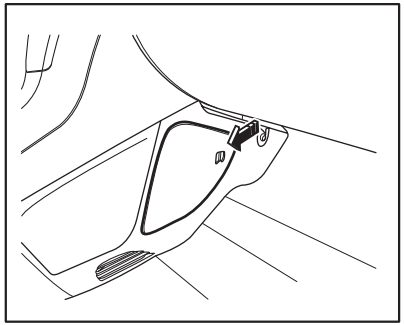
The fuse blocks contain circuit fuses, main fuses and relays.

To remove the cover:

1. Press the catch on the side of the fuse block towards the engine.
2. Release the two tabs at the opposite side.
3. Ensure the cover is correctly refitted.

   Fuse amperages (amps) are shown on the inside of the cover.

Floor console

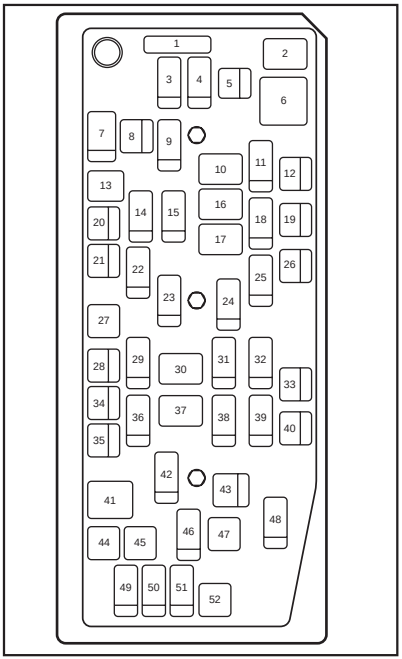


To access the fuse cover:

1. Open the driver side door.
2. Pull the latch rearwards to disengage the cover.

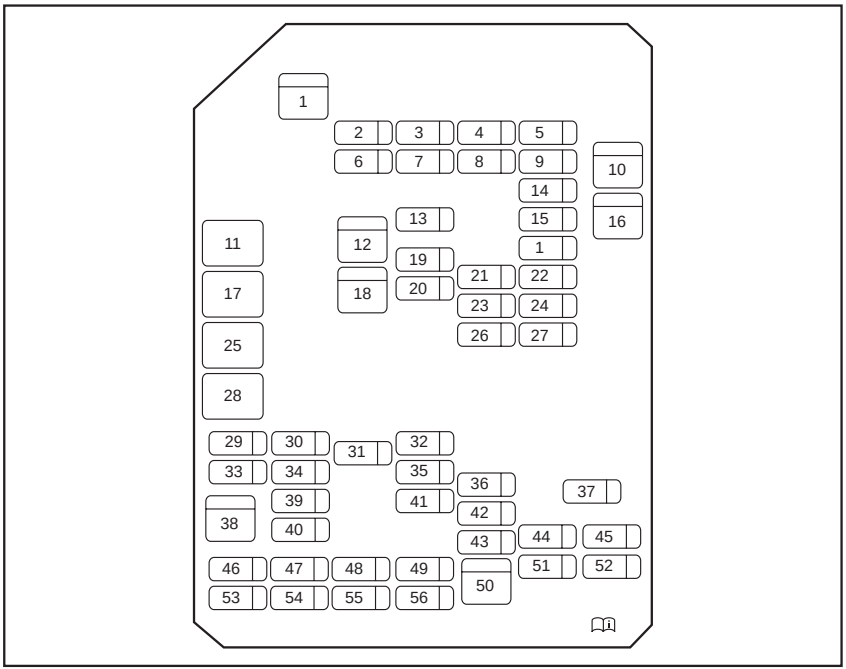
   The fuse amperages and positions are shown on the inside of the fuse cover.
3. Replace the cover after use.

Engine compartment fuses and relays



1	PWM FAN	80A
2	SPARE	
3	COIL A - OIL PUMP	15A
4	IGNITION COIL B	15A
5	SPARE	
6	SPARE	
7	ECM	15A
8	SPARE	
9	ECM PWR TRN	30A
10	PWR/TRN RELAY	
11	ENG SNSR	15A
12	STRTR	20A
13	AUX PUMP RELAY	
14	TCM	15A
15	AUX PUMP	15A
16	STRTR RELAY	
17	FUEL/VAC PUMP RELAY	
18	ABS	20A
19	BATT3	60A
20	SPARE	
21	EPB	40A
22	STOP LAMP	20A
23	FRT WPR	25A
24	A/C	10A
25	BCM	10A
26	FUEL/VAC	20A
27	STOP LAMP RELAY	
28	BATT2	60A
29	LO BEAM RH	10A
30	WPR CNTRL RELAY	
31	PARK LP RH	10A
32	PARK LP LH	10A
33	SPARE	
34	ABS	50A
35	BATT1	60A
36	LO BEAM LH	10A
37	WPR SPD RELAY	
38	HDLP WASHER	20A
39	TRLR PRK LAMP	10A
40	REAR WIPER	20A
41	REAR DEFOG RELAY	
42	HTD WASH/MIR	15A
43	REAR DEFOG	30A
44	LO BEAM RELAY	
45	HIGH BEAM RELAY	
46	FRT FOG	15A
47	HDLP WSHR RELAY	
48	PRK LP RH/LIFTGATE	10A
49	HORN	15A
50	HI BEAM LH	10A
51	HI BEAM RH	10A
52	FRT FOG RELAY	

Floor console fuses and relays

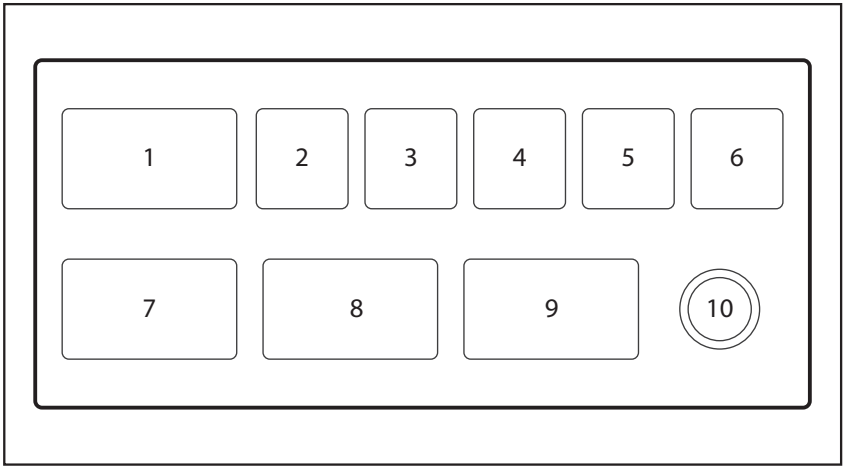


1	DRVR PWR SEAT	30A
2	S/ROOF FOLDING MIRROR	10A
3	FSCM/VENT SOL	20A
4	F/DOOR LOCK	15A
5	DR/LCK	20A
6	TRLR	20A
7	APO JACK (CONSOLE)	20A
8	HTD SEAT PWR/REAR A/C	20A
9	BCM (PRK/TRN)	15A
10	PASS PWR WNDW	30A
11	ACC/RAP RELAY	
12	SPARE	
13	CIGAR	20A
14	BCM (STOP)	15A
15	BCM (CTSY)	15A
16	DRV PWR WNDW	20A
17	CIGAR/APO JACK RELAY	
18	S/ROOF BATT	20A
19	APO JACK REAR CARGO	20A
20	RUN/CRANK	15A
21	SPARE	
22	AMP	30A
23	BCM (TRN SIG)	15A
24	DRL	15A
25	RUN RELAY	
26	FRT WSR	20A
27	L/GATE	10A
28	RUN/CRANK RELAY	
29	HEATING MAT SW	20A
30	FSCM	10A
31	AWD/VENT	15A
32	RR HEAT SEAT	15A

33	RUN2	10A
34	ISRVM/RCM	5A
35	RR FOG	15A
36	BCM (DIMMER)	15A
37	LOGISTIC MODE	15A
38	HVAC BLWR	40A
39	CLSTR	10A
40	SDM (IGN_1)	10A
41	PWR DIODE	5A
42	BCM (VBATT)	10A
43	TRLR BATT	30A
44	RVS/HVAC/DLC	15A
45	PWR/MODING	2A
46	SSPS	10A
47	XBCM	10A
48	BCM (INT LIGHT) TRLR FOG	20A
49	IPC	10A
50	DC DC CONVERTER	30A
51	SDM (BATT)	10A
52	SPARE	
53	OSRVM	2A
54	AUDIO/KEY CAPTURE	10A
55	SPARE	
56	STR/WHL SW	2A

Diesel auxiliary fuse and relay block

The engine compartment may have a diesel auxiliary fuse block.



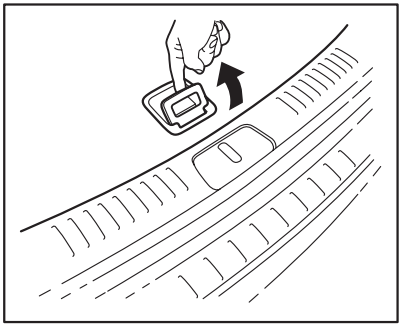
1	RELAY PTC 3	
2	PTC 3	40A
3	PTC 2	40A
4	PTC 1	40A
5	F/F HTR	30A
6	GPCU	60A
7	RELAY PTC 2	
8	RELAY PTC 1	
9	RELAY F/F HTR	
10	B+	

⚠Warning

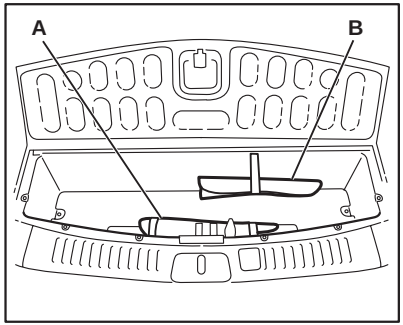
When replacing a fuse, ensure the replacement fuse is of the specified amperage. Never install a wire or similar as it could damage electrical components and cause a fire.

Vehicle tools

Tools



The vehicle has a tool kit, located in a compartment in the floor of the load area.

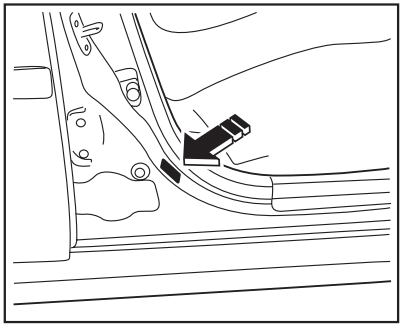


A Jack

B. Tool kit

Wheels and tyres

Tyre placard



The correct pressures for tyres are shown on the tyre placard in the driver's door opening (B pillar) and in the tyre pressure table.

Tyre pressure ⇨ 238

Tyre pressure

- Check the air pressure of tyres (including the spare) weekly, to ensure occupant safety, as well as reducing fuel consumption and increasing the life of the tyres.

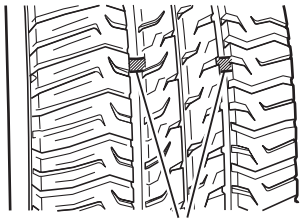
  Tyre placard ⇨ 201
- Use a tyre pressure gauge to check the tyres. Simply looking at the tyres is not sufficient.
- For constant long distance or rough road driving, daily checking is recommended.
- If the vehicle is heavily loaded, the recommended pressure for the tyres is increased.
- Check pressures when the vehicle has been stationary for over 3 hours. If tyre pressures must be checked immediately after driving more than 2 km, increase tyre placard pressure by 10 %.
- Tyre pressures may need to be increased depending on the load on the vehicle.

  Vehicle weight ⇨ 236
- If the vehicle is loaded to half the maximum payload, the tyres should be inflated half way between the minimum and maximum pressures given on the tyre placard.
- Replace any valve dust caps or extensions.
- Check the condition of the tyre tread and inspect for stones or abnormal wear.

Tyre and rim condition

- Do not drive over sharp edges to avoid tyre and rim damage and possible tyre blowout.
- Drive over edges slowly and at right angles, wherever possible.
- When parking, ensure the tyres are not pressed against the edge of the curb.
- Check the tyres regularly for damage, stones, punctures, cuts, cracks, bulges etc. Check the rims for damage. Contact a Holden Dealer if in doubt.

Tread depth



The tyres originally fitted to the vehicle have built-in tread indicators which show up when the tyres are worn.

Replace the tyres when:

- They are worn to the point where the tread indicators (A) appear.
- The cord or fabric is showing.
- The tread or sidewall is cut, split or cracked deep enough to expose the cord or fabric.
- The tyre has a bump or bulge in it, indicating some kind of internal damage.
- The tyre has a puncture, cut or other damage which can not be repaired because of the size or location of the damage.

If there is more wear on the front tyres than on the rear, swap the front and rear wheels.

Ensure the direction of rotation of the wheels is the same as it was previously.

Tyres age, even if they are not used. Replacement of tyres every six years is recommended.

⚠Warning

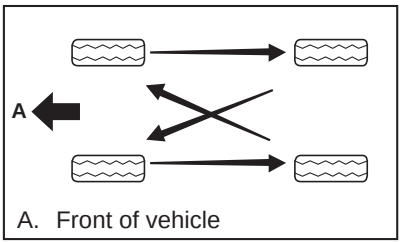
The use of tyres that are a different size or construction i.e. mud or snow tyres, may adversely affect the ESC system.

Do not attempt to drive on a flat tyre more than is necessary to stop safely. Driving even a short distance can damage the tyre and wheel beyond repair. Tyres which have been repaired or retreaded are not capable of being driven safely at high speeds. Therefore, their use is not recommended.

Tyre rotation

It is recommended that you rotate tyres at every scheduled maintenance service.

Driving conditions, driving techniques, vehicle loading and weather may warrant more frequent tyre checks and rotation.



A. Front of vehicle

Front and rear tyres can wear differently depending on:

- Types of roads driven on.
- Driving habits.
- Tyre pressures.
- Wheel alignment and balance.

New tyres should be fitted in pairs to the front. If replacing only one tyre, pair it on the same axle with the least worn of the other three. Follow the diagram for the correct rotation pattern.

If the wheels are rotated it is recommended to check the balance at the same time.

Check the tyres are inflated to the recommended tyre pressure.

Buying new tyres

Refer to the tyre placard on the vehicle for tyre size and load rating.

Using a different size or type of tyre may affect:

- Ride.
- Handling.
- Speedometer accuracy.
- Vehicle ground clearance.
- Tyre clearance.
- Tyre chain clearance.

Tyres with heavy treads and those made for better grip in the wet, should only be operated within the limits recommended by the manufacturer.

Replacing the factory fitted wheels and tyres with non-genuine Holden wheels and tyres may affect the New Vehicle Voluntary Warranty as well as the vehicle's insurance policy.

Contact a Holden Dealer for advice on suitable tyres.

Tyre chains

⚠Warning

Holden does not recommend fitment of tyre chains.

Due to limited tyre clearances, tyre chains may cause damage to your vehicle. Fitment of tyre chains is at the risk of the owner.

If you choose to fit tyre chains you should:

- observe all local regulations and advice regarding the use of tyre chains
- use a correctly sized, well fitted, diamond pattern tyre chain
- not exceed speed of 30 km/h
- stop the vehicle in the event of any unusual noise
- check the tyres are inflated to the correct pressure
  Tyre pressure ⇨ *238*

Whenever tyre chains are fitted, switch off the ESC.

Electronic Stability Control (ESC) ⇨ *149*

Wheel alignment and tyre balance

Improper wheel alignment or balance can cause:

- Tyres to wear fast and unevenly.
- The vehicle to pull to one side.
- Vibration.

If any of these problems exist, have the vehicle checked by a Holden Dealer.

Tyre changing

The vehicle may have a spare tyre.

⚠Warning

Failure to observe the following preparations and instructions may result in damage or injury:

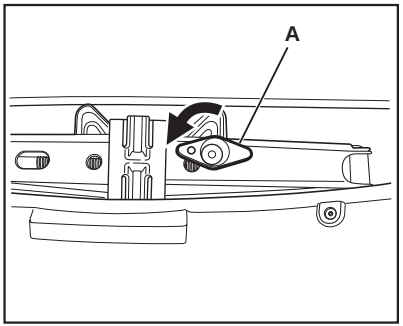
- Use the jack only for lifting the vehicle when changing wheels and lifting the spare wheel carrier
- Do not jack a vehicle with a trailer attached. Disconnect the trailer first
- Do not get under a vehicle that is supported by a jack. No person should place any portion of their body under a vehicle that is supported by a jack
- Do not start or run the engine while the vehicle is supported by the jack
- All passengers should be out of the vehicle when it is being jacked
- Use the jack only at the designated lifting points and spare wheel carrier. Use in other locations may result in the vehicle falling of the jack, or damage to the vehicle
- The vehicle should only be jacked on hard, level surfaces

Removing the spare tyre

1. Park on level surface.

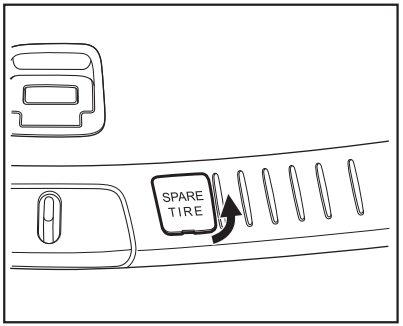
   Point the wheels straight ahead.
2. Apply the park brake.
3. Turn the ignition control knob to the lock position.
4. Place the shift lever in **P** (automatic transmission), in 1st or reverse gear (manual transmission).
5. Open the tailgate.
6. To access the jack and tools lift up the compartment handle and fold the lid upward.

   Vehicle tools ⇨ 201

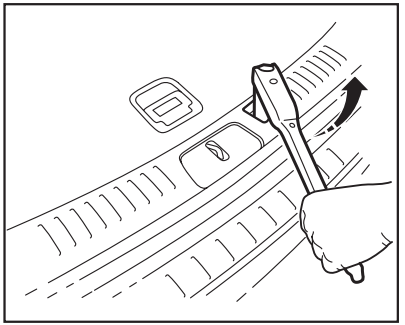


7. Remove the wing bolt (A) from the jack by rotating it anti-clockwise.
8. Remove the straps holding the tool bag and jack adapter.

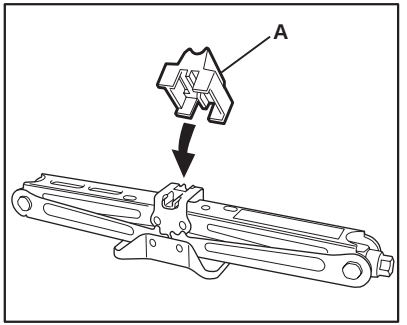
Spare wheel access



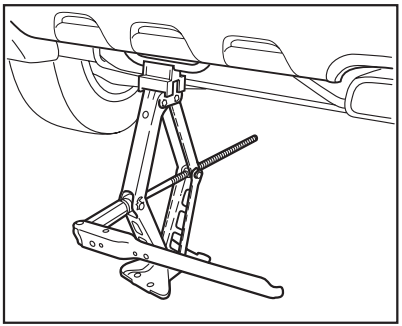
9. Use a flat-blade screwdriver to prise off the spare wheel carrier mounting bolt cover marked **SPARE TIRE** on the rear trim of the tailgate opening.



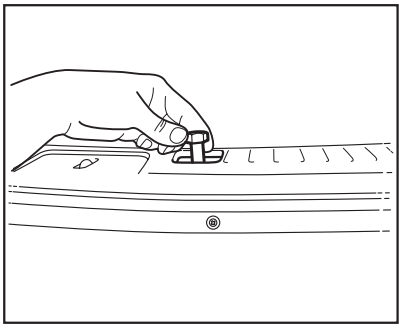
10. Use a wheel wrench to loosen the spare wheel carrier mounting bolt (anti-clockwise) securing the spare wheel carrier several turns.
    Note
    Do not loosen the bolt completely at this step.



11. Place the jack adapter (A) onto the jack head, ensuring it is securely engaged.



12. Place the jack with the adapter fitted under the spare wheel carrier and wind the jack up until it engages with the spare wheel carrier.

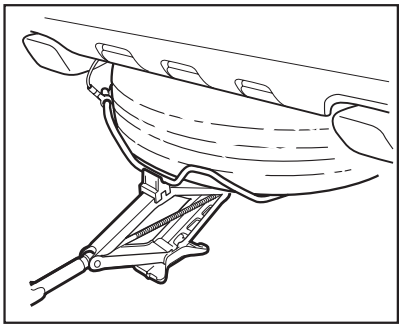


13. Loosen the spare wheel carrier mounting bolt completely.

Note

The spare wheel carrier mounting hook may fall to the ground when the mounting bolt is undone.

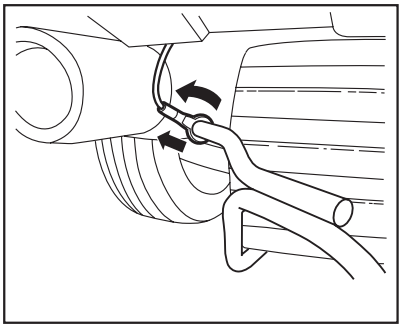
Store the mounting hook in the load area compartment.



14. Lower the jack (approximately 20 cm) to the point where the spare wheel carrier check strap can be removed from the carrier.

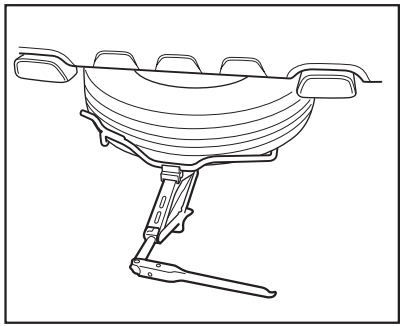
⚠Warning

The exhaust may be extremely hot. Do not touch any part of it.

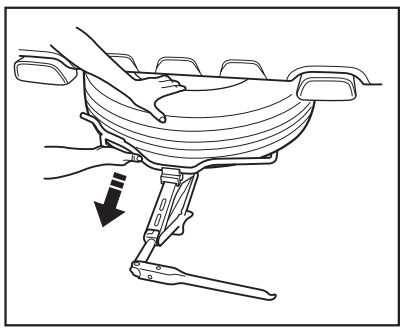


15. Remove the spare wheel carrier check strap by rotating the eye loop anti-clockwise approx. 90° and sliding it off the end of the carrier shaft towards the passenger side of the vehicle.

Note
The jack may need to be adjusted up or down to allow for enough slack to remove the check strap.



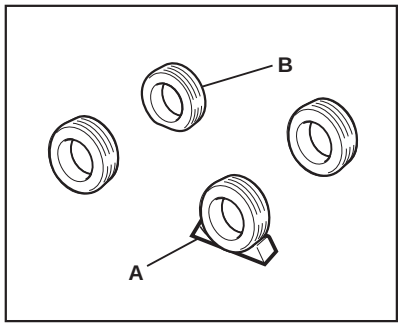
16. Lower the jack as far as it will go.



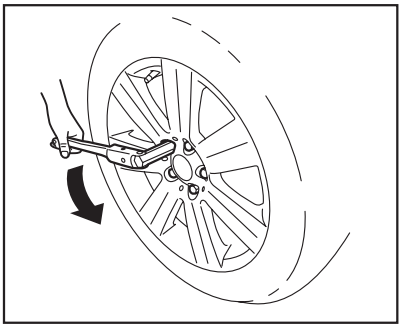
17. Remove the spare wheel from the spare wheel carrier.

18. Remove the jack and wheel wrench from the spare wheel carrier.

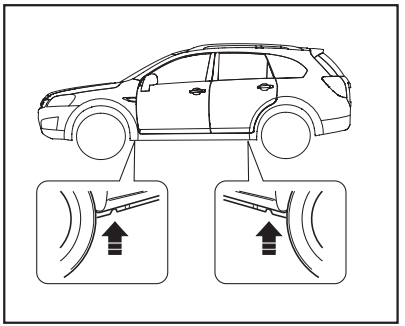
19. Remove the jack adapter from the jack.



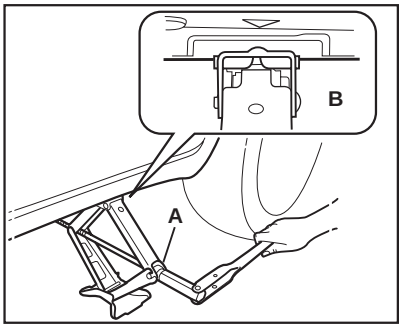
20. Chock the wheel diagonally (A) opposite the flat tyre (B) with a suitable solid object.



21. On the flat tyre, turn the wheel wrench to loosen the wheel nuts, one turn each.



22. Place the jack under the jacking point nearest the tyre to be changed.



23. Attach the wheel wrench to the jack (A).
24. Turn the jack handle clockwise to raise the jack, until the jack engages with the jacking point (B).

⚠Warning

Do not use the jack adapter when raising the vehicle.

25. Raise the vehicle until there is room for the spare wheel to fit in place.

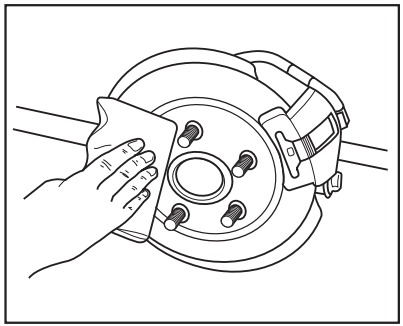
Note
Do not raise the vehicle off the ground more than necessary to change the wheel.

⚠Warning

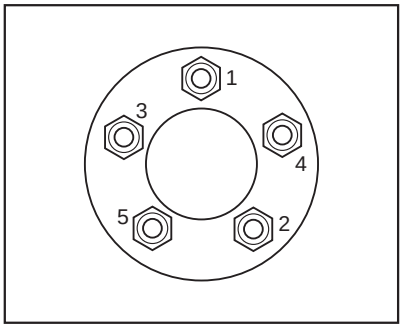
Failure to position the jack as described could cause the vehicle to slip off the jack.

Do not get under a vehicle that is supported by a jack. No person should place any portion of their body under a vehicle that is supported by a jack.

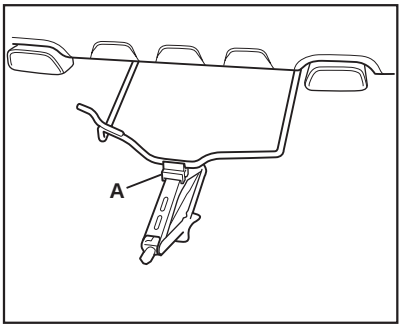
26. Remove the wheel nuts and wheel.



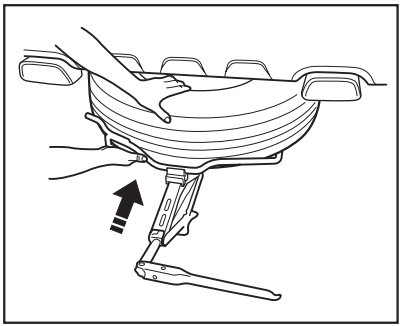
27. Remove any dirt or rust from the wheel nuts and studs, mounting surfaces and spare wheel.
28. Place the spare wheel on the wheel mounting surface.
29. Replace the wheel nuts by hand and lightly tighten with a wheel wrench.
30. Turn the jack handle anti-clockwise to lower the vehicle.
31. Remove the jack and wheel wrench.



32. Tighten the nuts firmly with the wrench in the pattern shown. The required torque is 140 Nm (Newton metres).



33. Reattach the jack adapter (A) onto the jack head securely.
34. Position the jack under the spare wheel carrier.



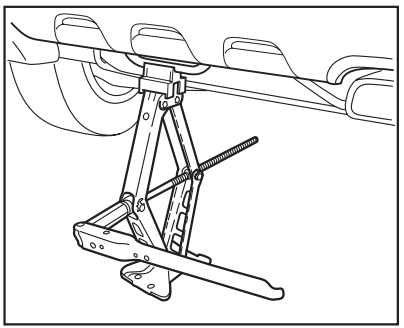
35. Place the flat tyre onto the wheel carrier with the wheel trim facing down.

    Note

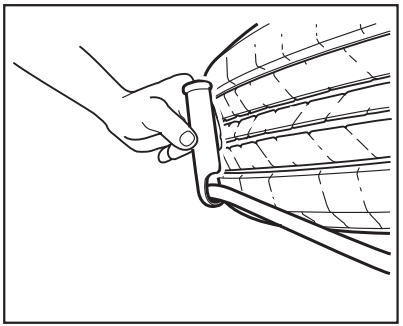
    If the vehicle is fitted with 19” wheels, Holden recommends the tyre be secured within the load compartment to ensure it remains secure in the event of sudden braking.

    Continue to raise the spare wheel carrier.

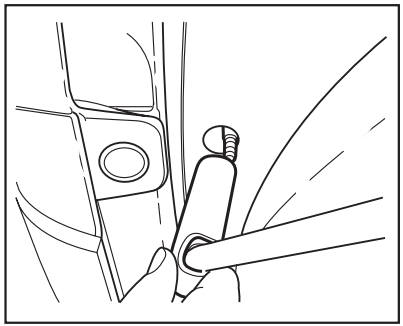
36. Raise the jack until the spare wheel carrier check strap can be installed.
37. Replace the spare wheel carrier check strap.



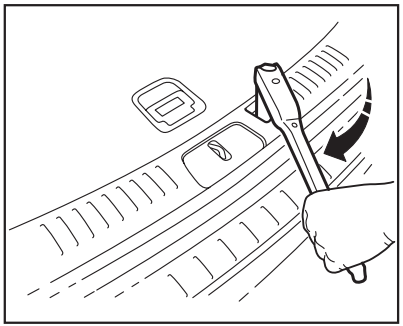
38. Continue raising the jack until the spare wheel carrier is in its original position.



39. Install the spare wheel carrier mounting hook onto the spare wheel carrier.



40. Align the spare wheel carrier mounting hook with the spare wheel carrier mounting bolt and engage the thread.



41. To secure the spare wheel carrier, tighten the mounting bolt firmly clockwise using a wheel wrench.
42. Install the spare wheel carrier mounting bolt cover and store the equipment in the load area compartment.

Note

Have the flat tyre repaired or replaced as soon as possible and fit on to the vehicle.

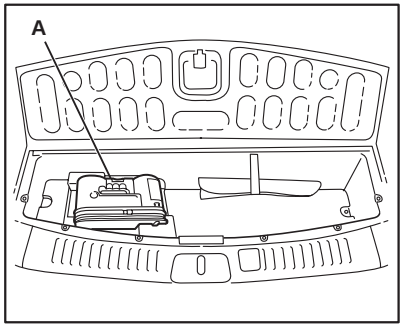
Place the spare wheel in the spare wheel carrier.

⚠Warning

The steel spare wheel is for temporary use only. The vehicle must not be driven at more than 80 km/h when this wheel is fitted.

As soon as possible after changing a wheel, have the wheel nuts tightened with a torque wrench to 140 Nm (Newton metres) evenly in the sequence shown (refer to Step 32) as wheel nuts which have not been tightened properly could eventually allow the wheel to come off while the vehicle is moving.

Tyre sealant and compressor kit



The vehicle may have an emergency tyre sealant and compressor kit (A) in place of a spare tyre. It is located in the load compartment, under the rear floor cover.

The tyre sealant and compressor kit can be used to temporarily seal a small puncture up to 6 mm in size within the tread area of the tyre.

It can also be used to inflate an under-inflated tyre.

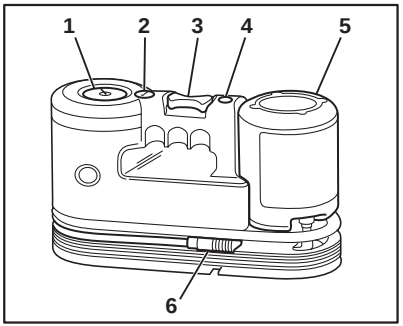
After the tyre is sealed and inflated to the recommended pressure, the vehicle must be driven for 8 km to ensure the sealant is distributed evenly.

Take the vehicle to a Holden Dealer to have the tyre repaired or replaced as soon as possible.

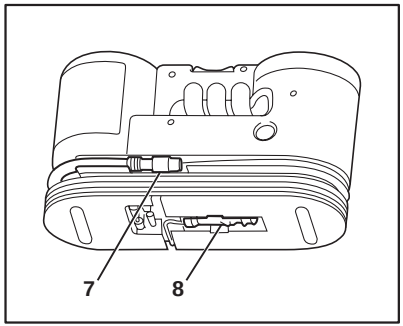
⚠Warning

If the tyre has been separated from the wheel, has damaged sidewalls, or has a large puncture, the tyre is too severely damaged for the tyre sealant and compressor kit to be effective.

Do not drive faster than 80 km/h.



1. Pressure gauge
2. Pressure deflation button (white)
3. Selector switch
4. On/off button (orange)
5. Tyre sealant canister
6. Air-only hose (black hose/white tip)



7. Sealant-air hose (clear hose/orange tip)
8. Power plug

Tyre sealant

The sealant cannot seal sidewall damage, large punctures, or a tyre that has unseated from the wheel.

Follow the safety instructions on the tyre sealant canister.

Check the expiry date on the tyre sealant canister before use. The tyre sealant canister must be replaced before its expiry date.

There is only enough sealant to seal one tyre.

After use, the tyre sealant canister and sealant-air delivery hose must be replaced as an assembly.

Replacement tyre sealant canisters are available from a Holden Dealer.

Temporary puncture repair

1. All passengers must exit the vehicle.
2. Inspect the damaged tyre.

   Do not remove any objects which have penetrated the tyre.
3. Remove the tyre sealant and compressor kit and unwrap the sealant-air hose (7) and the power plug (8).
4. Do not connect to the vehicle power socket yet.
5. Place the kit on the ground near the deflated tyre. Unscrew the tyre valve cap anti-clockwise and remove.
6. Attach the sealant-air hose onto the tyre valve. Rotate the fitting clockwise until tight.
7. Plug the power plug into the vehicle power socket.
   Power outlets ⇨ 59

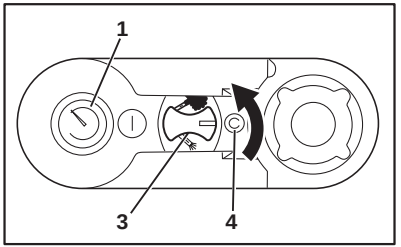
   Note
   Do not jam the power cable in a door, tailgate or window.
8. Start the engine and let it idle to ensure the battery does not run down.

⚠Warning

Do not run the engine in an enclosed area or with passengers in the vehicle.

Idling a vehicle in an enclosed area with poor ventilation is dangerous. Engine exhaust may enter the vehicle. Engine exhaust contains Carbon Monoxide (CO) which cannot be seen or smelled.

It can cause unconsciousness and even death. Never run the engine in an enclosed area that has no fresh air ventilation.



9. Turn the selector switch (3) anti-clockwise to the Sealant + Air position (orange).
10. Press the on/off button (4) to turn the tyre sealant and compressor kit on.

    The kit will begin to inject sealant and air into the tyre.

    The pressure gauge (1) will initially show a high pressure while the compressor pushes the sealant into the tyre.

    Once the sealant is completely dispersed into the tyre, the pressure will quickly drop and start to rise again as the tyre inflates with air only.

Sealant may leak from the puncture hole until the vehicle is driven and the hole has sealed.

11. Inflate the tyre to the inflation pressure on the tyre placard.

    Tyre pressure ⇨ 202

⚠Warning

Do not over inflate tyres due to risk of injury or damage to the tyre. Refer to the tyre placard for recommended inflation pressure.

12. Switch the tyre sealant and compressor kit off to get an accurate reading.

    The pressure gauge reads slightly high while the kit is on.

    The kit may be switched on and off until the correct pressure is reached.

⚠Warning

If the recommended pressure cannot be reached after approximately 25 minutes, the vehicle should not be driven. The tyre is too severely damaged and the tyre sealant and compressor kit cannot inflate the tyre. Disconnect and stow the tyre sealant and air compressor kit back in its original position. Contact a Holden Dealer.

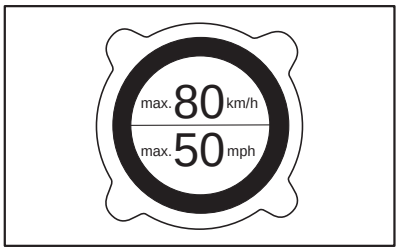
13. Switch the on/off button to turn the tyre sealant and compressor kit off.

⚠Warning

Be careful when handling the tyre sealant and air compressor kit as it may be hot after use.

Note
The tyre is not sealed and will continue to leak air until the vehicle is driven and the sealant is distributed in the tyre. Therefore, perform the next steps as quickly as possible.

14. Unplug the power plug from the vehicle power socket.
15. Rotate the sealant-air hose fitting anti-clockwise and remove from the tyre valve.
16. Replace the tyre valve cap.
17. Replace the sealant-air hose, and the power plug back in their original locations.



18. Remove the maximum speed label and place it in a visible location on the instrument panel.

It reminds you to drive cautiously and not to exceed 80 km/h until the damaged tyre is replaced or repaired.

19. Drive the vehicle immediately for at least 8 km to distribute the sealant evenly within the tyre.
20. Stop at a safe location to check the tyre pressure. To inflate tyres without sealant, see ‘Inflating tyres without sealant’ later in this section.
21. If the tyre pressure has fallen more than 10 psi (68 kPa) below the recommended inflation pressure, do not continue driving. Contact a Holden Dealer.

    If the tyre pressure has dropped less than 10 psi (68 kPa), inflate to the recommended inflation pressure.
22. Wipe off any sealant from the wheel, tyre or vehicle.
23. Dispose of the used tyre sealant canister at a Holden Dealer or in accordance with local and State codes and practices. Replace with a new canister.

This is a temporary puncture repair. Take the vehicle to a Holden Dealer to have the tyre repaired or replaced as soon as possible.

Inflating tyres without sealant

1. Remove the tyre sealant and compressor kit and unwrap the air-only hose (6) and the power plug (8).
2. Do not connect to the vehicle power socket yet.
3. Place the kit on the ground near the deflated tyre. Unscrew the tyre valve cap anti-clockwise and remove.
4. Attach the air-only hose onto the tyre valve. Rotate the fitting clockwise until tight.
5. Plug the power plug into the vehicle power socket.

   Power outlets ⇨ 59

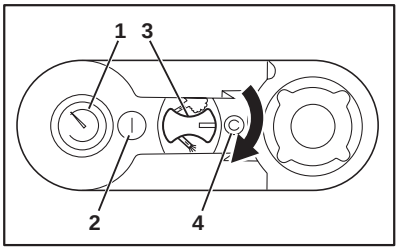
   Note
   Do not jam the power cable in a door, tailgate or window.
6. Start the engine and let it idle to ensure the battery does not run down.

⚠Warning

Do not run the engine in an enclosed area or with passengers in the vehicle.

Idling a vehicle in an enclosed area with poor ventilation is dangerous. Engine exhaust may enter the vehicle. Engine exhaust contains Carbon Monoxide (CO) which cannot be seen or smelled.

It can cause unconsciousness and even death. Never run the engine in an enclosed area that has no fresh air ventilation.



7. Turn the selector switch (3) clockwise to the Air-only position. (white)
8. Press the on/off (4) button to turn the compressor on.
9. The compressor will inflate the tyre with air only.
10. Inflate the tyre to the inflation pressure on the tyre placard.

    Tyre pressure ⇨ *202*

⚠Warning

Do not over inflate tyres due to risk of injury or damage to the tyre. Refer to the tyre placard for recommended inflation pressure.

The pressure gauge (1) may read higher than the actual tyre pressure while the compressor is on.

Turn the compressor off to get an accurate reading. The compressor may be turned on/off until the correct pressure is reached.

11. If you inflate the tyre higher than the recommended pressure you can adjust the excess pressure by pressing the pressure deflation button (2) until the proper pressure reading is reached.

    This option is only functional when using the air only hose.
12. Switch the on/off button to turn the compressor off.

⚠Warning

Be careful when handling the tyre sealant and air compressor kit as it may be hot after usage.

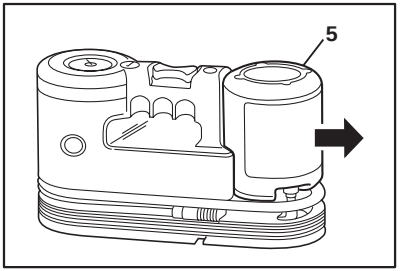
13. Unplug the power plug from the accessory power outlet in the vehicle.
14. Rotate the air-only hose fitting anti-clockwise and remove from the tyre valve.
15. Replace the tyre valve cap.
16. Replace the air-only hose and the power plug back in their original locations.
17. Place the equipment in the original storage location in the vehicle.

Note

The tyre sealant and compressor kit has an accessory adapter located in a compartment on the bottom of its housing that may be used to inflate air mattresses, balls, etc.

Sealant canister replacement

1. Unwrap both hoses.



2. Slide the canister (5) away from the compressor housing.
3. Unscrew the hose connected to the canister.
4. Replace with a new canister which is available from a Holden Dealer.
5. Attach the hose to the canister and tighten.
6. Slide the new canister in place, ensuring it sits in the compressor housing socket.
7. Replace both hoses to their original location.

Jump starting

Read the following warnings and procedure in full before attempting to jump start the vehicle.

If you are still unsure about jump starting, Holden strongly recommends for your safety and that of the vehicle that you seek the assistance of a suitably trained service technician.

⚠Warning

Do not push start or tow start the vehicle. If unburnt fuel were to reach the catalytic converter and ignite, the converter could overheat or be destroyed by backfire. Therefore, if the battery is flat, you can jump start, but do not push start the vehicle.

To protect the vehicle's electrical system, never disconnect the battery when the engine is running. Never charge the battery while it is still connected to the vehicle. First disconnect the negative cable, then the positive cable. The polarity of the battery, i.e. the connections for the positive and negative cables, must not be interchanged when reconnecting. First connect the positive cable, then the negative cable.

⚠Warning

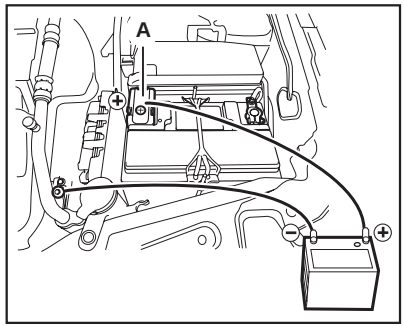
Batteries produce explosive gases, contain corrosive acids and supply levels of electrical current high enough to cause burns. Therefore, adhere to the following when working near a battery:

- Do not use open flames or sparks near the battery.
- Do not smoke near the battery.
- Wear eye protection such as safety glasses and avoid leaning over the battery.
- Battery acid is corrosive. If it gets on your skin, wash with plenty of water immediately. If it gets in your eyes you should not only flush with plenty of water but should also seek medical help. Battery acid also damages paint and fabrics. To minimise damage, wash off immediately.
- Make sure that any batteries that have filler caps are properly filled with fluid.
- Remove rings, metal watch bands and other metal jewellery before working around the battery.
- Never use a quick charger to start the engine.
- If you have a telephone fitted to the vehicle, remove the fuse for the telephone before jump starting. Remember to replace the fuse afterwards.
- To prevent damage to the audio system, switch it off before jump starting the vehicle.

Jump starting procedure

Note

The battery in both vehicles must have a negative earth and a 12 volt rating.



1. Position the two vehicles so they are not touching.
2. Place the shift lever in **P** (automatic transmission) or neutral (manual transmission).
3. Turn the ignition control knob to the lock position.

4. Switch off all lamps and accessories in both vehicles, except the hazard warning flasher or any lamps needed for the work area.
5. Attach one end of the red jumper lead to the positive terminal of the vehicle with the charged battery (identified by a + symbol).
6. Remove the cover (A) on the vehicle with the flat battery, by squeezing the two clips together.
7. Attach the other end of the red jumper lead to the positive terminal of the vehicle with the flat battery.
8. Attach one end of the black jumper lead to the negative terminal of the vehicle with the charged battery (identified by a – symbol).
9. Attach the other end of the black jumper lead to a solid stationary, metallic point on the engine of the vehicle with the flat battery.

Note

- Do not connect directly to the negative terminal of the battery, as this could cause sparks.
- When making all connections, ensure the jumper lead clamps do not touch each other. Also, ensure the jumper leads are not on or near pulleys, fans or other points that will move when the engine is started.

10. Start the engine in the vehicle with the charged battery and run the engine at a moderate speed for several minutes.
11. Then start the engine in the vehicle with the flat battery.

    Attempts to start the engine with the flat battery should be made at one minute intervals and should not last longer than 15 seconds.
12. Allow both engines to idle for approximately 3 minutes with the leads still connected.
13. Leave the engine running in the vehicle with the flat battery while removing the jumper leads in the exact reverse order they were installed.

    While removing each clamp, ensure they do not touch any other metal while the other end remains attached.

Towing a disabled vehicle

Proper lifting or towing equipment is necessary when lifting or towing the vehicle to prevent damage. State and local laws must be followed.

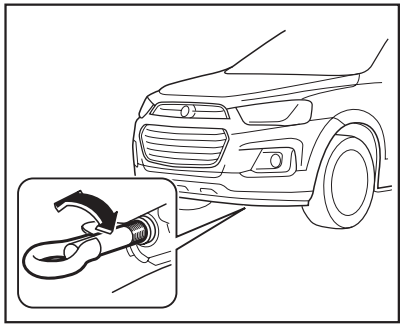
Towing the vehicle

In an emergency, manual transmission vehicles may be towed on all four wheels for short distances only, using the front towing eye.

Vehicle tools ⇨ 201

Caution
Automatic transmission vehicles must not be towed using the towing eye. The vehicle's drive system could be severely damaged. Use a flat-bed or standard tow truck.

Emergency Towing Procedure



Tow only on hard-surfaced roads for a short distance and at low speeds:

1. Install the towing eye into the attaching point in the front frame.
2. Attach the towing equipment to the front towing eye.

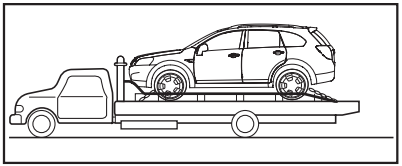
   Do not attach towing equipment to the bumpers or brackets, suspension or cross-members.
3. Turn the ignition control knob to ON to enable the steering lock, windscreen wipers and turn signals operation.
4. Place the shift lever in neutral.
5. Release the park brake.

Notes

- A driver must be in the vehicle to steer and operate the brakes.
- Drive slowly when towing.
- Power assist for brakes and power steering are not available when the engine is turned off. The brakes and steering still function, but require greater effort.
- To prevent exhaust fumes entering the towed vehicle, close the windows and press .
- Do not tow at speeds over 88 km/h.
- Vehicles with a damaged transmission must not be towed.
- The wheels, axles, drivetrain, steering and brakes must be in good condition.
- Only the driver should be inside a towed vehicle.

Front Wheel Drive (FWD) vehicles

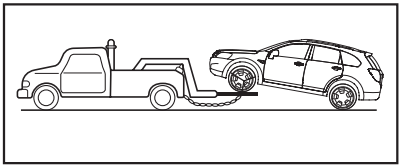
Flat-bed tow truck



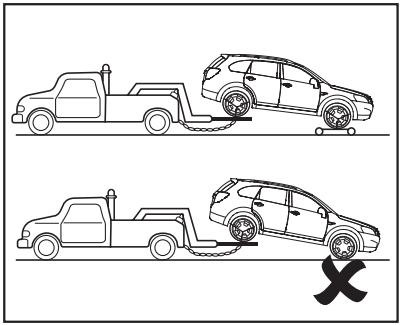
A flat-bed tow truck is the best method of towing the vehicle to avoid damage.

Standard tow truck

If a flat-bed tow truck is not available:



1. Use a standard tow truck, where the front wheels are raised and the rear wheels are in contact with the ground.



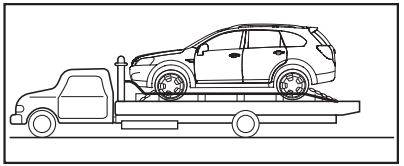
2. Alternatively, use a standard tow truck and a towing dolly to prevent the front wheels from contacting the road.

Caution

If the vehicle is towed with the front wheels contacting the road, the vehicle's drive system could be severely damaged.

All Wheel Drive (AWD) vehicles

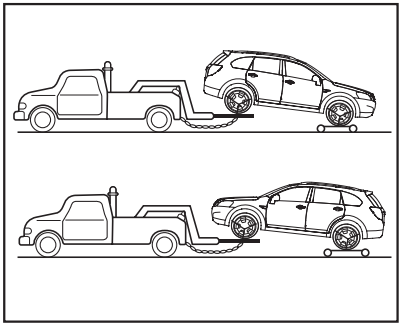
Flat-bed tow truck



A flat-bed tow truck is the best method of towing the vehicle to avoid damage.

Standard tow truck

If a flat-bed tow truck is not available:



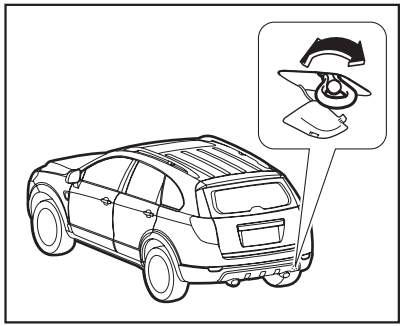
Use a standard tow truck using a towing dolly to prevent the front or rear wheels from contacting the road.

Caution

If the vehicle is towed with the front or rear wheels contacting the road, the vehicle's drive system could be severely damaged.

Towing another vehicle

In an emergency, another vehicle may be towed using the rear towing eye.



Emergency towing procedure

1. Locate the rear towing eye attachment in the compartment under the rear load area floor cover.
2. Open the cover plate on the bumper bar by pressing the base of the cover and pulling it downwards.
3. Screw the towing eye clockwise, firmly into place, using the handle of the wheel wrench.

Vehicle tools ⇨ 201

Note

Apply force in a straight direction. Do not apply force from any side direction.

Appearance care

Exterior care

Washing

The paintwork of the vehicle is exposed to environmental influences. Wash and wax regularly. When using automatic vehicle washes, select a programme that includes waxing.

Bird droppings, dead insects, resin, pollen and the like should be cleaned off immediately, as they contain aggressive constituents which can cause paint damage. Failure to do so may result in permanent damage, particularly in hot weather conditions.

Road bloom is a gradual build up of road and environmental grime. This should be removed with a paint cleaner once a year, in addition to normal washing.

If using a vehicle wash, comply with the vehicle wash manufacturer's instructions. Never use an automatic wash that requires anything touching the paint (other than water). The wipers must be switched off. Remove external accessories such as roof racks, etc.

If you wash your vehicle by hand, ensure the inside of the wheel housings are also thoroughly rinsed out.

Clean edges and folds on opened doors and the bonnet as well as the areas they cover.

Have the door hinges of all doors greased by a Holden Dealer.

Caution

Do not clean the engine compartment with a steam-jet or high-pressure jet cleaner.

Thoroughly rinse and chamois off the vehicle. Rinse chamois frequently.

Use separate chamois for painted and glass surfaces: remnants of wax on the windows will impair vision.

Do not use hard objects to remove spots of tar. Use tar removal spray on painted surfaces.

Note

For certain body colours, some variation in gloss and colour may exist in the engine bay or load area and on the underside of the vehicle.

⚠Warning

Take care when moving the vehicle after washing, in case water has affected the brakes. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with a clear area ahead, until brake performance returns to normal.

Exterior lamps

Headlamp and other lamp covers are made of plastic. Do not use any abrasive, solvent based cleaners or caustic agents and do not clean them dry. Clean only with lukewarm water, mild car washing soap and a soft cloth.

Caution
Using any solvent based cleaners may cause lamp lenses to crack or become damaged.

Air intakes

Clear debris from the air intakes, between the bonnet and windscreen and below the front bumper, when washing the vehicle.

Polishing and waxing

Wax the vehicle regularly (at the latest when water no longer beads).

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.

Paintwork polish with silicone forms a protective film, making waxing unnecessary.

Plastic body parts must not be treated with wax or polishing agents.

Windows and windscreen wiper blades

Use a soft lint-free cloth or chamois leather together with window cleaner and insect remover.

- Never use abrasive cleaners to clean glass.
- Refer to a Holden Dealer for windscreen washer additive.
- Old wiper blades can cause windscreen scratching. Regularly inspect and replace them.

Caution
Do not operate the wiper blades by hand as this damages the wiper drive mechanism.

When cleaning the rear window, make sure the heating element inside is not damaged.

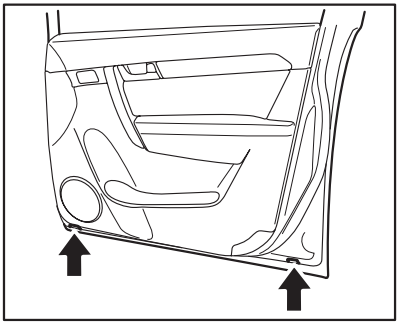
Clean smearing wiper blades with a soft cloth and window cleaner.

Wheels and tyres

Do not use high-pressure jet cleaners.

- Remove oil and grease with soap and water or detergent.
- Do not use petrol to clean tyres.
- Use a good quality tyre and bumper shine if required.
- A good quality wheel cleaner can be used for cleaning alloy wheels.
- Do not use abrasive cleaners.

Door drain holes



- Clear drain holes at the bottom of the door panels from dirt and other foreign materials which could trap water inside the panels.
- Clean clogged drain holes with a plastic pin or peg.
- Avoid scratching the paint work.

Paintwork damage

Rectify minor paintwork damage with a touch-up pen before rust forms. Have more extensive damage or rust areas repaired by your Holden Dealer.

Caution

Do not spill coolant on the vehicle's exterior surfaces as it can damage the paint work. If you do, wash it off immediately.

Underbody

Substances can cause rust under the vehicle.

- Hose the underbody with clean water whenever the vehicle is washed.
- Where the vehicle is exposed to heavy concentrations of corrosive materials, inspect and wash the complete underbody at least once each year, preferably after winter exposure.

Interior care

⚠Warning

Many cleaning products are toxic, flammable or may damage the interior. When cleaning the interior, avoid volatile cleaners such as acetone, lacquer thinners, enamel reducers, nail polish removers, or cleaners such as laundry soaps, bleaches or reducing agents. Never use carbon tetrachloride, petrol or naphtha for any cleaning purpose. Ensure the vehicle is well ventilated while using any cleaners and always follow the cleaning product manufacturer's recommendations. Water based cleaners, rather than solvent based cleaners, are recommended.

Steam cleaning of seats is not recommended.

Interior and upholstery

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.

The instrument panel should only be cleaned using a soft damp cloth.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clean seat belts with a mild, non-abrasive soap and lukewarm water.

After washing, thoroughly, sponge the solution out of the belts.

Leather

Clean regularly using a leather revitaliser or mild detergent.

- Apply revitaliser using a lint free cloth and rub it onto the leather.
- Do not saturate the leather with the cleaner and do not pour on directly.
- Allow to dry naturally.
- For deeply embedded soil and dirt, use a leather cleaner.
- After using a leather cleaner/ revitaliser, apply a leather protector.

  A leather protector is designed to repel dirt and provides water resistance.

Note

- Clean and protect leather at least twice a year.
- Do not use synthetic cloths or brushes.

Caution
Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery.

Plastic and rubber parts

Plastic and rubber parts can be cleaned with the same cleaner as used to clean the body. Use interior cleaner if necessary. Do not use any other agent. Avoid solvents and petrol in particular. Do not use high pressure jet cleaners.

Floor mats

- Pull up the small peg at the corner to remove the mat.
- Push the mat down onto the peg to replace.

⚠Warning

If a floor mat is the wrong size or is not correctly installed, it can interfere with the accelerator pedal and/or brake pedal.

Interference with the pedals can cause unintended acceleration and/or increased stopping distance which can cause a crash and injury.

Make sure the floor mat does not interfere with the accelerator or brake pedal.

Original equipment and Genuine Holden Accessory floor mats are designed for your vehicle.

If the floor mats need replacing, it is recommended that Holden approved floor mats be purchased. Non genuine floor mats may not fit properly and may interfere with the accelerator or brake pedal.

- Always check the floor mats do not interfere with the pedals.
- Use the floor mat with the correct side up. Do not turn it over.
- Do not place anything on top of the driver's side floor mat.
- Use only a single floor mat on the driver's side.
- Do not place one floor mat on top of another.

Service and maintenance

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Recommended fluids, lubricants and parts 232

General information

Service information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified.

See your Service & Warranty Booklet for the service schedules and for more information.

Engine oil life system

The vehicle has a computer system that lets you know when to change the engine oil and filter.

The frequency of the oil change depends on driving patterns, engine RPM and engine temperature.

When the system has calculated that oil life has been diminished, will illuminate.

Change engine oil light ⇨ 71

When illuminates continuously, have the engine oil and filter changed as soon as possible, within the next 1,000 km.

It is possible that, if you are driving under the best conditions, the oil life system may not indicate that an oil change is necessary for a longer period than that shown in the Maintenance schedule. However, the engine oil and filter must be changed in accordance with the Maintenance schedule outlined in the Service & Warranty Booklet.

Recommended fluids, lubricants and parts

Engine type	Petrol 3.0 L DOHC V6	Petrol 2.4 L DOHC L4	Diesel 2.2 L DOHC L4
Engine oil specification	5W-30; dexos (dexos 1) or dexos (dexos 2)	5W-30; dexos (dexos 1) or dexos (dexos 2)	5W-30; dexos (dexos 2)
	SAE 5W-30 is the best viscosity for the vehicle. SAE 0W-30/40 or 5W-40 can also be used		
Coolant specification	50% clean fresh water and 50% Dexcool anti-freeze coolant, conforming to specification number GM6277M		
Automatic transmission fluid	Dexron VI		
Manual transmission fluid	–	Castrol BOT 303	–
Differential oil	Synthetic Hypoid 75W/90 GL5		
Brake fluid	DOT 4 Hydraulic brake fluid conforming to specification number GMW3356		
Power steering fluid	Dexron VI		
Battery for remote keyless access transmitter	CR 2032		
Battery	12 volts, 80 amp hours	12 volts, 60 amp hours	12 volts, 90 amp hours

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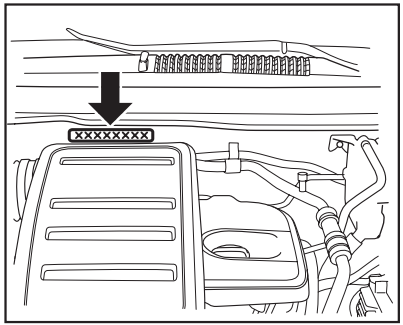
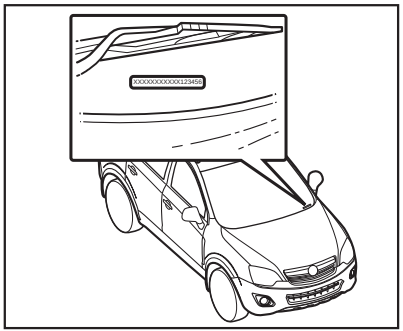
Vehicle identification

Identification number



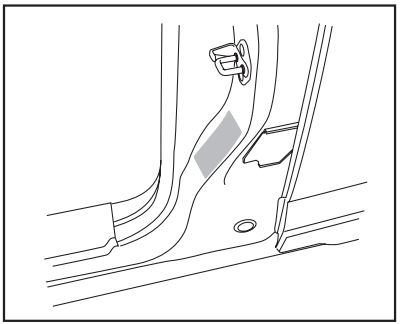
The Vehicle Identification Number (VIN) is located inside the engine compartment, on the bulkhead.



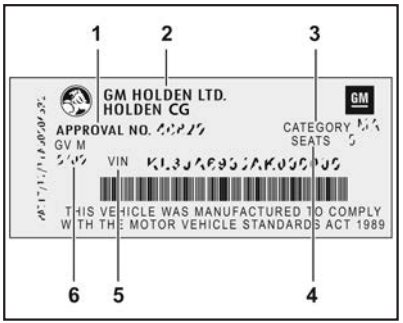
The Vehicle Identification Number (VIN) is also located behind the windscreen on the passenger side.

Each vehicle has its own individual identifier and is used for the identification of spare parts.

Identification plate



An identification label is located on the front passenger's door frame.



The label shows:

1 = Approval number

2 = Manufacturer

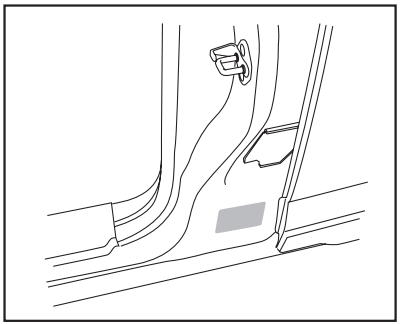
3 = Category

4 = Number of seats

5 = Vehicle identification number

6 = Compliance date

Built date

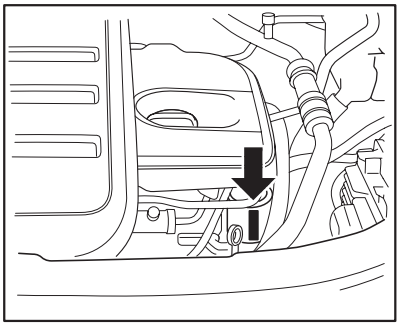


An identification label is located on the lower portion of the front passenger's door frame.

The label shows the vehicle Built Date and VIN.

Engine number location

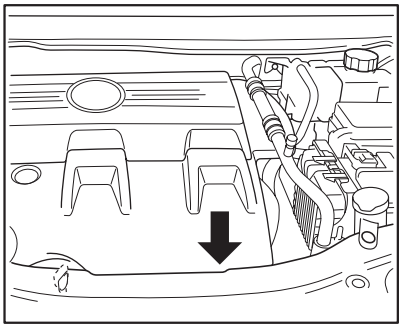
Petrol engines



2.4L L4 engine shown

The engine number is located on the engine.

It is stamped into the engine block, rearwards of the dipstick.

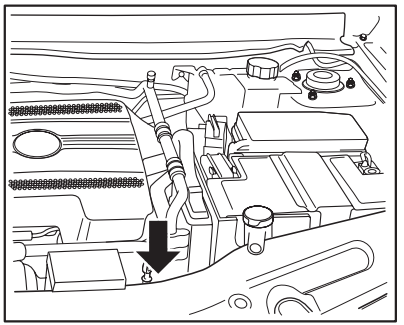


3.0L V6 engine shown

The engine number is located on the engine.

It is stamped into the engine block and is visible after the engine cover has been removed.
For engine cover removal see;
Checking fluid level ⇨ *186*

Diesel engine



The engine number is located on the engine.

It is stamped into the engine block under the oil filter dipstick, towards the passenger side.

Vehicle data

Engine data

Engine type	Petrol 3.0 L DOHC V6	Petrol 2.4 L DOHC L4	Diesel 2.2 L DOHC L4
Engine capacity	2,997	2,384	2,231
Engine power and torque	Please refer to holden.com.au		
Octane rating (RON)	Unleaded regular 91 or higher		–
Diesel fuel	–	–	Meeting Euro Standard EN590

Vehicle weight

Overloading is a safety hazard and could also shorten the life of the vehicle.

Maximum vehicle payloads

Occupants (average 68 kg each)	Luggage (kg)	Total load (kg)
7	95	571

Axle loads

Maximum front and rear axle loads

Do not exceed the maximum axle loads, including the weight of any options or accessories fitted to the vehicle. Take the roof rack load into account when determining the rear axle load. Weigh at a weighbridge if unsure.

Front axle load (kg)	Rear axle load (kg)
1,250	1,350

Dimensions (mm)

Length	Width (excl. mirrors)	Height (excl. roof rail)	Height (incl. roof rail)	Wheel base	Front track	Rear track
4,673	1,849	1,727	1,756	2,707	1,569	1,576

Capacities

Engine type	Petrol 3.0 L DOHC V6	Petrol 2.4 L DOHC L4	Diesel 2.2 L DOHC L4
Refill engine oil including filter	5.7 L	4.7 L	5.6 L
Coolant	10.0 L	8.5 L	9.0 L
Fuel tank	65.0 L	65.0 L	65.0 L

Tyre pressure

Tyre size	Wheel size and profile	Recommended cold tyre inflation pressure									
		Normal load				Maximum load				Spare	
		Front		Rear		Front		Rear		-	
		kPa	PSI	kPa	PSI	kPa	PSI	kPa	PSI	kPa	PSI
235/60 R17 102H	17 x 7.0 J	240	35	240	35	240	35	280	41	–	–
235/55 R18 100H	18 x 7.0 J	240	35	240	35	240	35	280	41	–	–
235/50 R19 99H	19 x 7.0 J	240	35	240	35	240	35	280	41	–	–
215/70 R16 100T	16 x 6.5 J	–	–	–	–	–	–	–	–	280	41

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Customer information

Trademarks and licence agreements

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Owner assistance

Holden Customer Care

At Holden, we want you to be completely satisfied with your ownership experience. This applies to your vehicle and any Holden representative you may deal with.

Refer below for two options for seeking assistance with your query.

Holden Dealerships

Holden encourages you to seek assistance from your Holden Dealership. Each Holden Dealership is equipped to manage any sales, servicing, parts or technical query.

In the instance that you wish to escalate a query to a higher level of staff, further options are available to you.

As a first step, Holden suggests you discuss any concern with the relevant Department Manager (Sales Manager or Service Manager).

Alternatively, the Dealership General Manager or Dealer Principal will also be happy to assist you.

Holden Customer Care Office

Should you wish to speak to a Holden representative, you are welcome to contact the Holden Customer Care team.

Refer below for operating hours and various methods of communication.

Operating Hours

Weekdays: 8am – 7pm AEST
Saturday: 9am – 1pm AEST

Telephone

Holden Customer Care can be telephoned from anywhere within Australia for only the cost of a local call.

The contact number is:
1800 033 349

Email

Alternatively, you may prefer to email Holden at:
holdencustomercare@gm.com

Written Correspondence

You can also write to Holden at the address below:

The Manager
Holden Customer Care Centre
GPO Box 1714
Melbourne 3001

Your written correspondence should clearly outline your concern or query and include:

- Your name and address
- Telephone numbers, both private and business
- Servicing dealer's name and address
- Vehicle model
- Vehicle identification number (I.S.O.V.I.N.), refer to the inside front cover of the Service & Warranty Booklet in your vehicle's glove box
- Date of purchase
- Current odometer reading

Most of this information will be found on the Vehicle Identification Certificate, located inside the front cover of the Service & Warranty Booklet in your vehicle's glove box.

Before you write however, remember the telephone is the quicker and more efficient means of communication.

New Zealand

The information in this Owner's Handbook applies primarily to Australian Holden vehicles and there may be some differences to the Warranty and Owner Assistance provisions for New Zealand.

Applicable details for New Zealand are set out in the Holden Warranty and Owner Assistance Information booklet enclosed in the New Zealand glove box wallet.

New Zealand Assistance can be reached on:

0800 HOLDEN (**0800 465 336**)

This number provides access to New Zealand Roadside Assistance as well as New Zealand Customer Care.

Alternatively, you may prefer to email Holden at:

holdencustomercare@gm.com

You can also write to Holden at the address below:

The Manager
Holden Customer Care Centre
P.O. Box 11195
Ellerslie
Auckland 1542
New Zealand

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